



EyeCOR[®]

Code Finder
Contacts Resource
Ophthalmic Reference

User Guide

23 November 2004

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EyeCOR User Guide

Table of Contents

	Page
Introduction to EyeCOR[®]	I
Partnership with our Users	I
Installation Instructions	1
Starting EyeCOR[®]	5
Windows Quick Launch for EyeCOR[®]	5
Using EyeCOR[®]	6
The EyeCOR Toolbar	7
Code Finder[®]	8
Finding a Diagnosis Code	8
Finding a Diagnosis Code using the “Search by Eye Segment” Option	9
Allowed Reimbursed Procedures	10
Finding a Diagnosis Code using the “Search by Key Word” Option	11
Finding a Diagnosis Code using the “Search by Partial Code” Option	13
Finding a Procedure Code	14
Finding a Procedure Code using the “Search by Procedure Category” Option	15
Display of Procedure Codes	16
Linked Diagnosis for the Procedure	16
Interpretation and Report	16
Finding a Procedure Code using the “Search by Key Word” Option	17
Finding a Procedure Code using the “Search by Partial Code” Option	19
More on Diagnosis and Procedure Codes	20
Screen Navigation	20
Navigating between Diagnosis and Procedure Codes	20
Printing the Diagnosis and Procedure Code Screens	21
Obtaining More Information on Allowed Reimbursable Procedures	22
Exam Code Requirements	24
Examination and Evaluation Codes (92xxx) and E/M Codes (992xx)	24
E/M Code Verification	25
Contacts Resource[®]	26
Main Query Screen	26
Building a Contact Lens Search Query	26
Anatomy of the Contacts Resource Query Screen	27
Selecting Lenses by Query	27
Selecting Lenses with an Rx	30
Manufacturer Related Options	
Defining Favorite Manufacturers for filtering in future searches	30
Find a lens by Manufacturer	30
Power Scale Feature – Find the Rx Fast	32
Lens Detailed Specifications Screen	33
Selecting another Rx for the Same Lens	33
Using the Query Screen	34
Finding a Lens with the Contacts Resource[®] Query Function	34
More about the Power Scale	37
Entering an Rx from the Query Screen	40
Contact Lens Display	40

Table of Contents continued on next page

Ophthalmic Reference	41
Contact Lens FDA Groups	41
Diopter to MM Conversion	41
Vertex Distance Calculator	41
Ophthalmic Abbreviations	41
Patient Risk Definition	41
Review of Systems	41
Points of Service	41
Procedures Requiring Interpretation and Report	41
Procedures Requiring Interpretation and Report	42
Creating a New Interpretation and Report Form	42
Saving a New Interpretation and Report Form	44
Retrieving a Previous Interpretation and Report Form	45
Defining EyeCOR as a Networked Version	47
Mapping Your Server Drive	49
User Feedback	52

Introduction to EyeCOR®

EyeCOR® - Complete Ophthalmic Resource

Includes:

Code Finder	- Fastest way to find Ophthalmic Diagnosis & Procedure codes
Contacts Resource	- Comprehensive Contact Lens Reference
Ophthalmic Reference	- Additional Ophthalmic reference tools

Code Finder® allows you to quickly find any Ophthalmic Diagnosis and Procedure code. The perfect tool to insure that you are coding accurately and completely! There are three ways to find any diagnosis and or procedure code.

The most important features of Code Finder are:

- Allowed Reimbursable Procedures for the Diagnosis
- Linked Diagnosis Codes for the Procedure
- Coding Guidelines for the 992xx E/M codes
- Coding Guidelines for the 92xxx codes

Contacts Resource® is a comprehensive Contact Lens Reference system. Typically in seconds you can search our comprehensive lens database and find the lens(es) you need.

Ophthalmic Reference Library is a comprehensive library of References, Resources and Tools.

EyeCOR has been designed closely with EyeCare professionals to make it useful and easy to use. During initial development, it was provided to Beta users throughout the country. They were asked to use the software in their practices to evaluate the effectiveness of EyeCOR and more importantly, the user friendliness. We wanted to insure that any user would be able to navigate the entire system just by looking at the screens. The purpose of this effort was to insure that all of EyeCOR could be used with little or no learning curve. **EyeCOR®** will provide you with a tool for a significant time savings in your practice. We don't want you to waste your time learning a software product!

Once you purchase **EyeCOR®** be reassured that we will not forget you! We strongly encourage your feedback about the product. Let us know, if you think of something we can:

- Add to our system that will help you in your practice
- Do to make it easier to use.
- Or if you think something is not right.

Your feedback is important to us!

Most of the features of the current product are a direct result of recommendations from our users.

Thank you for purchasing **EyeCOR®**.

EyeCOR Installation Instructions

This section will discuss the installation of your EyeCOR[®], detailing each step of the installation process.

Because this is a Windows program you need to install on each workstation where you will be using EyeCOR[®].

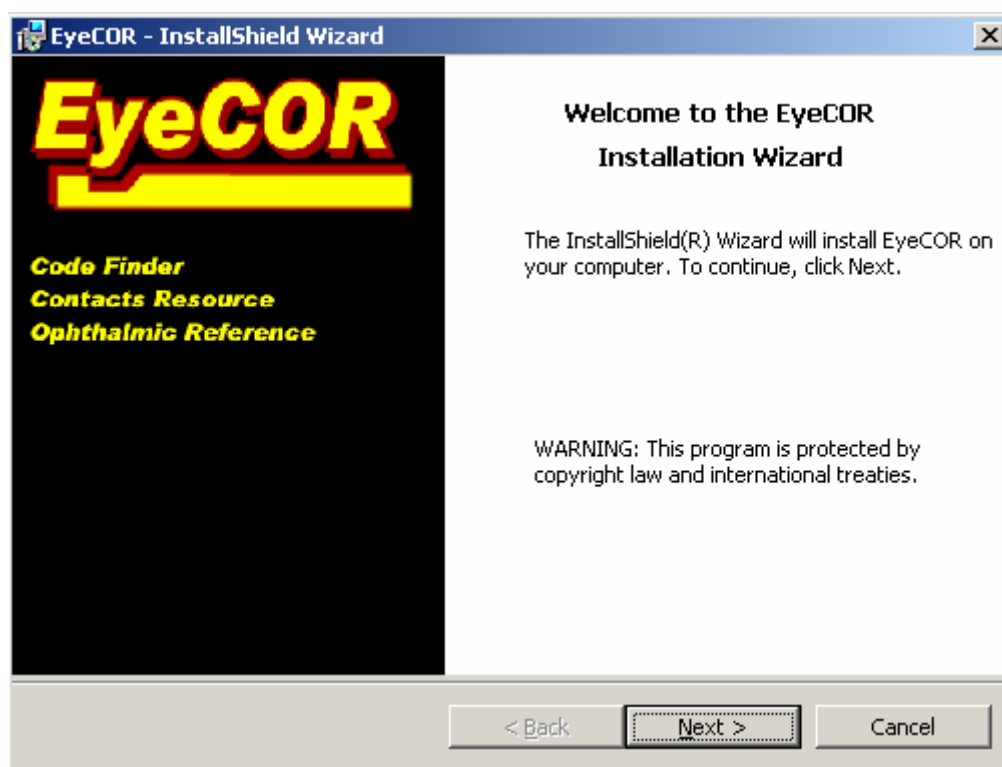
Insert the EyeCOR[®] CD into CD-ROM drive of your computer. The installation process should begin automatically.

Note:

- If your Windows is set to not allow auto-run of CD-ROMs, you'll need to manually begin the installation process. You can do so by clicking your Windows Start button, then Run.... Click the Browse button. Click the drop-down list to the right of the Look In: field. Select your CD-ROM drive. Double-click the file Setup.exe. The EyeCOR[®] installation process will begin.
- If you have an older version of Windows the install may require a reboot at the end of the install process.

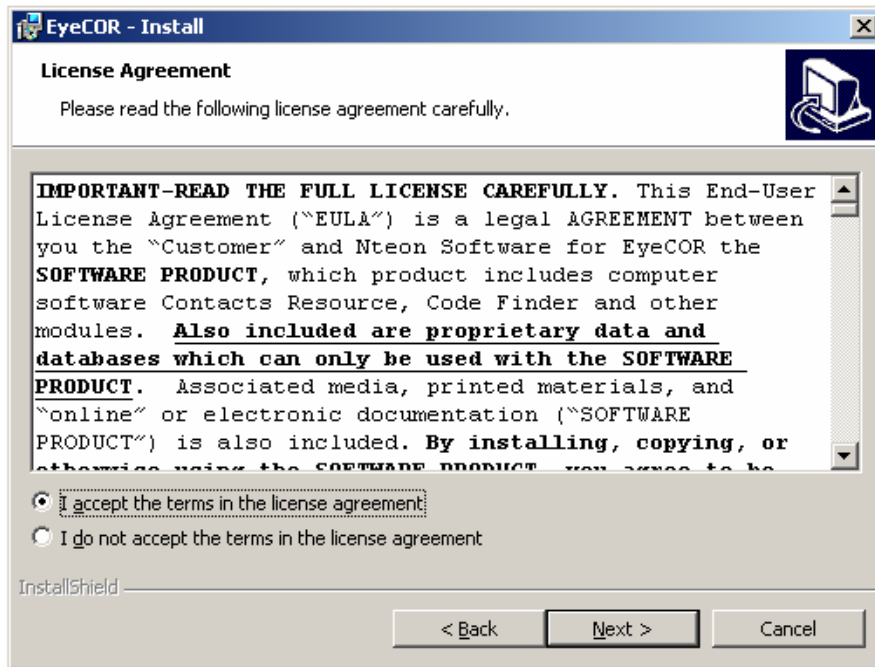
Welcome!

The installation process typically takes about one minute. Some older systems may take a little longer.



Click **Next >** to proceed to the next screen.

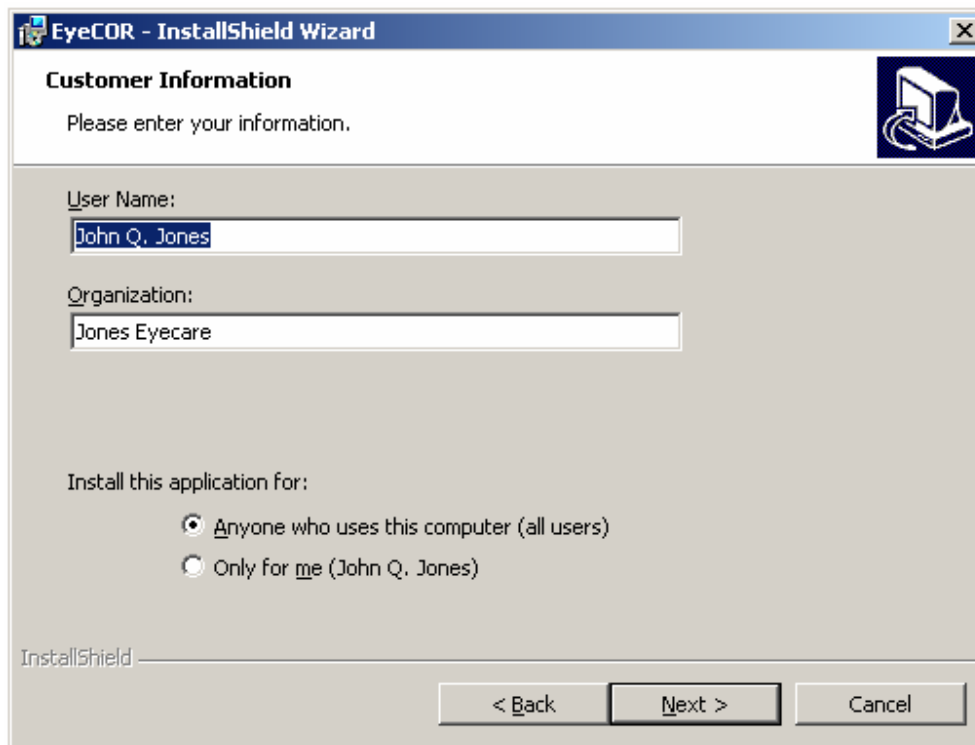
License Agreement



Please review the License Agreement. Once you review and accept the terms of the agreement, then click the "I accept the terms in the License Agreement" radio button. At this point the Next button will be available. Click **Next >** to proceed to the next screen.

Customer Information

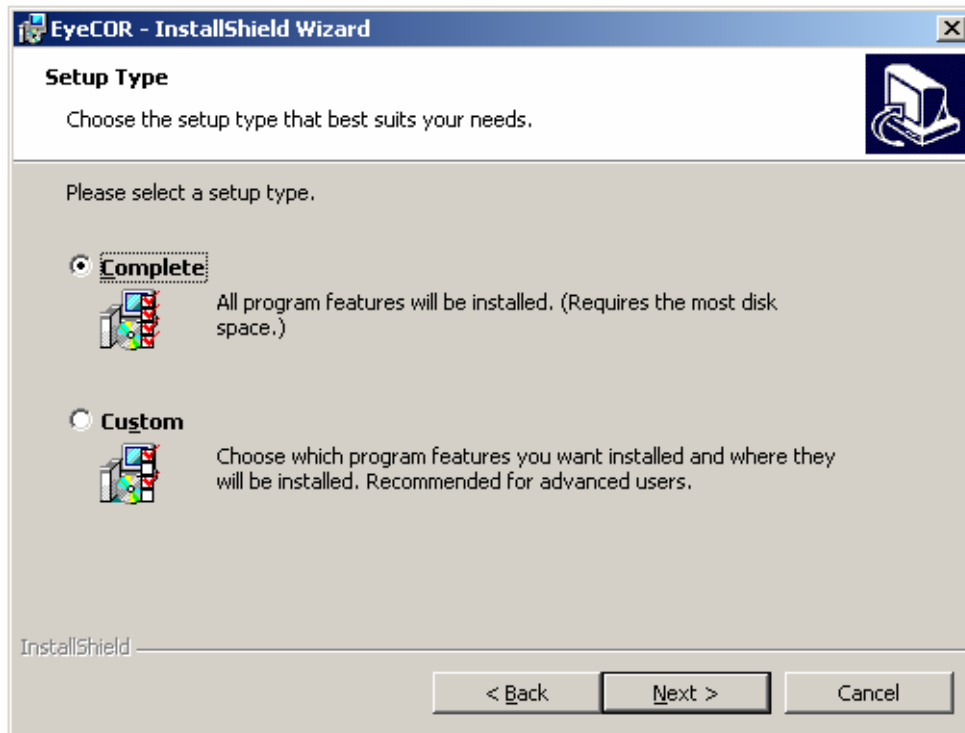
If your name and Organization name do not automatically fill in, then simply enter the information.



After the correct User information is entered click **Next >** to proceed to the next screen.

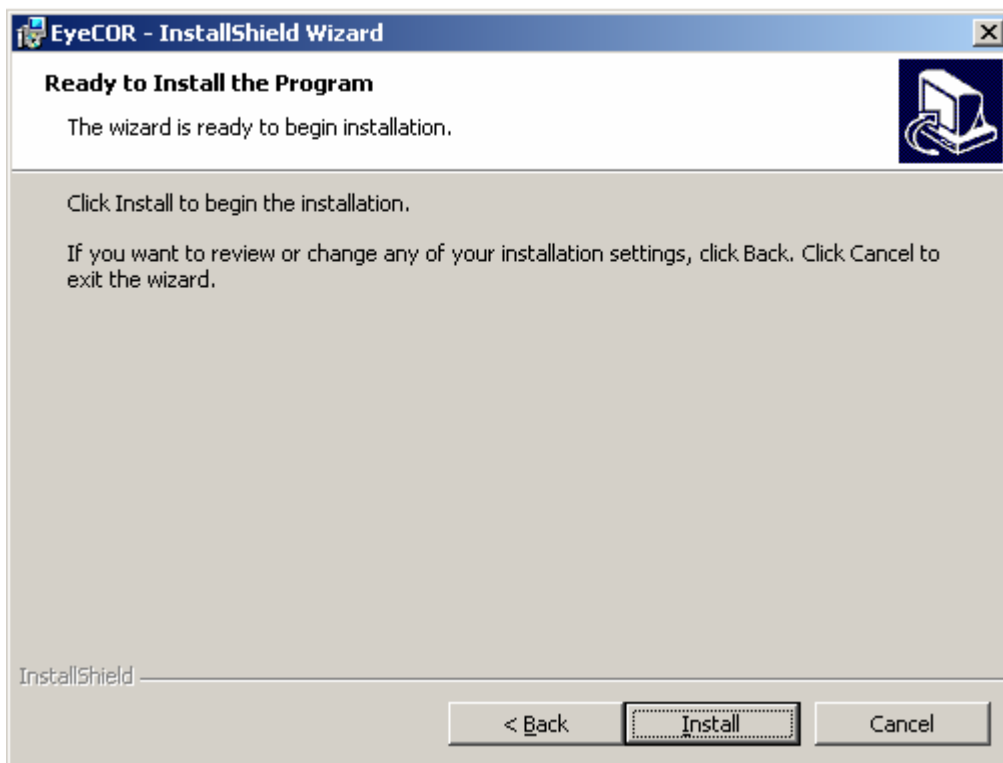
Setup Type

Select only **Complete!**



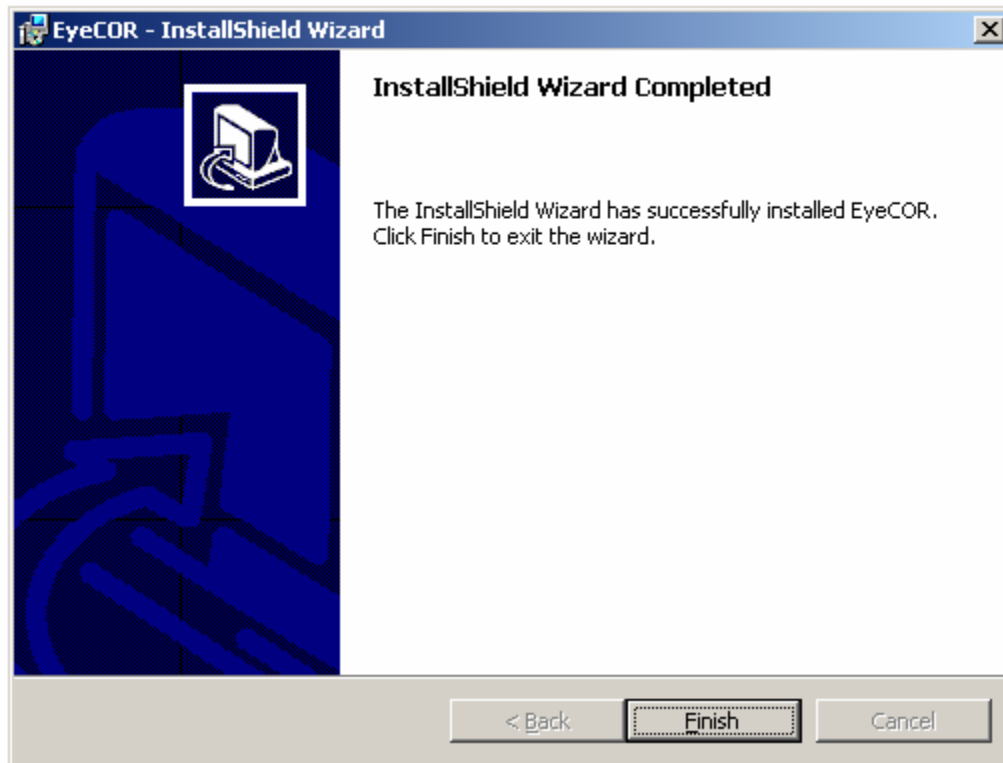
Unless specifically instructed by our Support staff, **do not** choose Custom.
Click Next > to proceed to the next screen.

Begin the Install Process



Click **Install >** to begin the Installation Process.

Installation Complete



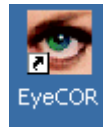
The Installation of **EyeCOR**[®] is complete. Simply click Finish.

Reminder:

- Some older versions of Windows will require a reboot. This is a normal Windows requirement.

Starting EyeCOR[®]

On your Windows desktop you will find the **EyeCOR[®]** icon.



Simply double click the icon to start **EyeCOR[®]**.

Windows Quick Launch for EyeCOR[®]

Note: Windows 2000 and Windows XP users can also copy the **EyeCOR[®]** shortcut to “Quick Launch” on the Windows taskbar.



This will allow you to immediately start **EyeCOR[®]** regardless of what you are running.

Procedure to Place on the “Quick Launch” bar.

This will work only for Windows 2000 and Windows XP and where you are currently using Quick Launch!

Press the **Start** button on your task bar.

Press **Programs (All Programs** in Windows XP)

Slide over to your list of Programs

Go to the **EyeCOR** item – do not click!

Drag the **EyeCOR** item to the Quick Launch bar beside the **Start** button

Hold the **Ctrl** key (to Copy not move it from Start – Programs)

Drop it (release your left mouse button) at the desired location in the Quick Launch bar

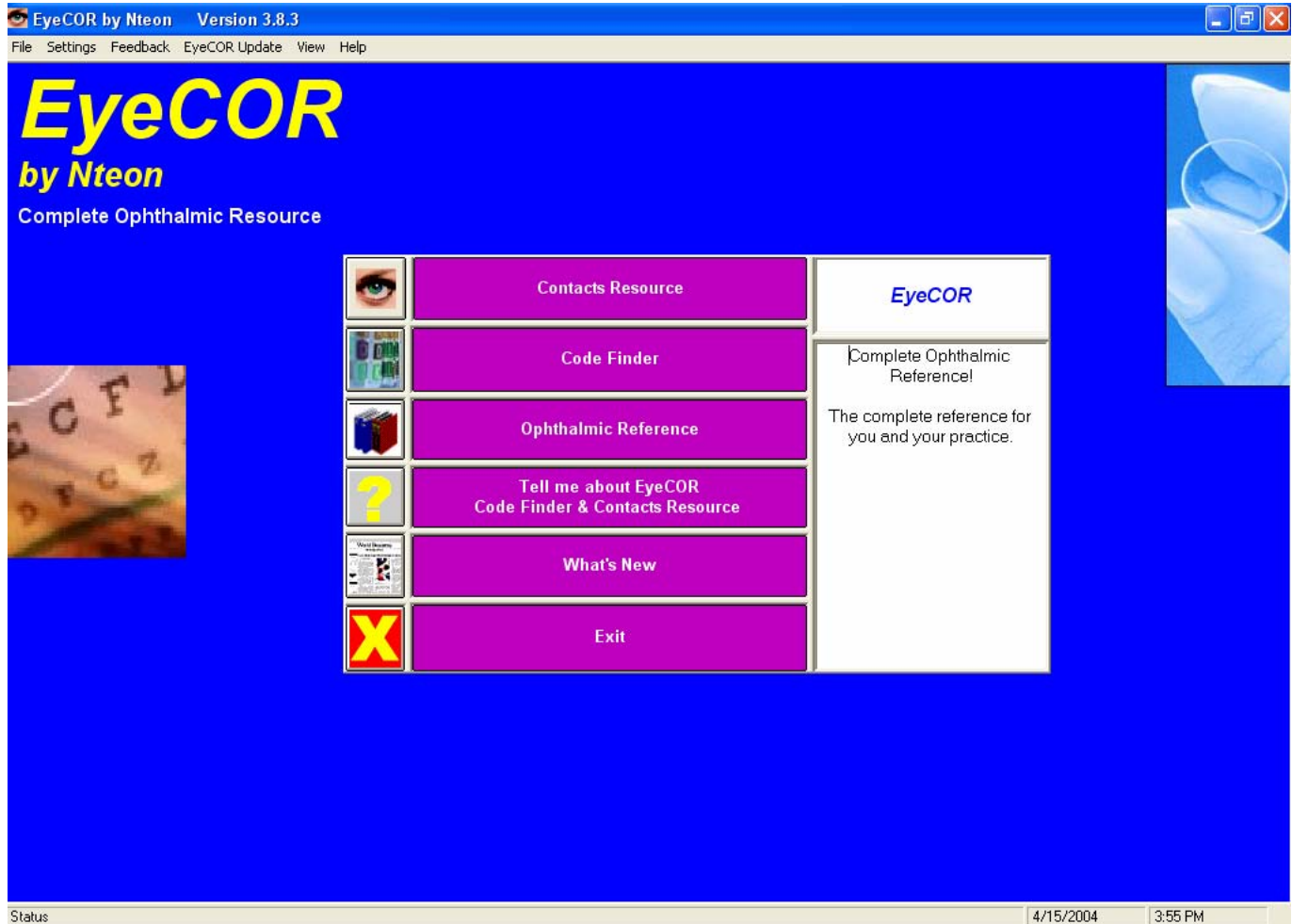
Now release the **Ctrl** key

Using EyeCOR[®]

During the entire process of developing **EyeCOR[®]** we have strived to make it easy to use. One thing we have learned in developing software for the EyeCare professional is that if you are reading this Guide you are the exception to the rule!

We have designed all components of **EyeCOR[®]** to have little or no learning curve. This includes **Code Finder[®]**, **Contacts Resource[®]** and the **Ophthalmic Reference**.

After starting the system, the first screen for **EyeCOR[®]** is the Main menu. From here you can choose **Contacts Resource[®]**, **Code Finder[®]** or the **Ophthalmic Reference**.



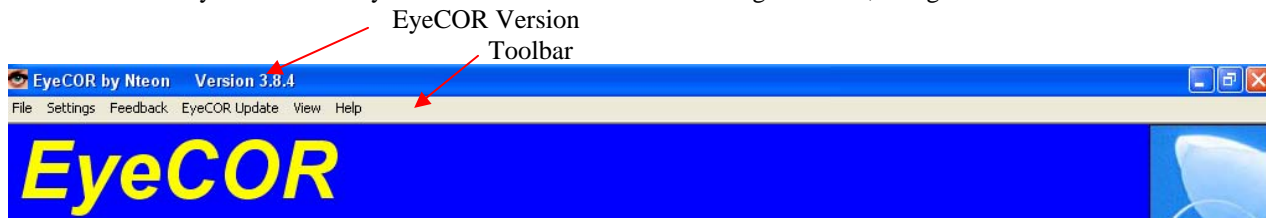
By Clicking any one of the items you start that program.

“**Tell me about EyeCOR**” provides Help and related information about all three modules.

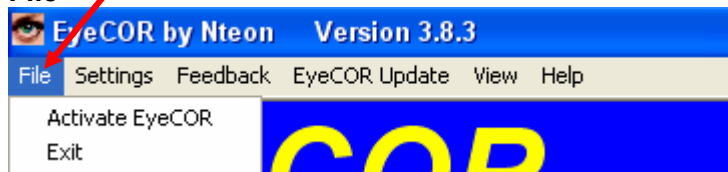
“**What’s New**” describes the enhancements for the current release. It also shows the enhancements for a limited number of previous releases. This allows you and your staff to see what new features have been added to EyeCOR.

The EyeCOR Toolbar

At the top of the EyeCOR screen is the toolbar. First, note the version number at the very top of the screen. On the toolbar line are the tools for EyeCOR. While you do not have to use these on a regular basis, it is good to familiar with their functionality.



File



Activate EyeCOR - This allows you to activate EyeCOR. This is typically used when EyeCOR was not activated with the Install Process.

Exit - To Exit EyeCOR. This is available but seldom used, since the large Exit option on the Main menu is available.

Settings



Double Click to Select - Used in Contacts Resource, this activates / deactivates the option to select either with a Single or Double Click of the mouse.

Feedback



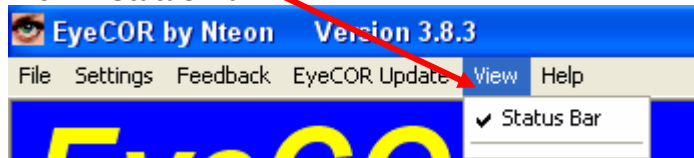
Feedback links to a screen that encourages you to provide us with any feedback regarding EyeCOR.

EyeCOR Update



Get Update - This allows you to obtain the latest update of EyeCOR.

View - Status Bar



Status Bar - This allows you to activate / deactivate the EyeCOR Status Bar. The status bar is located on the bottom of the EyeCOR screen. This displays the current Date and Time.



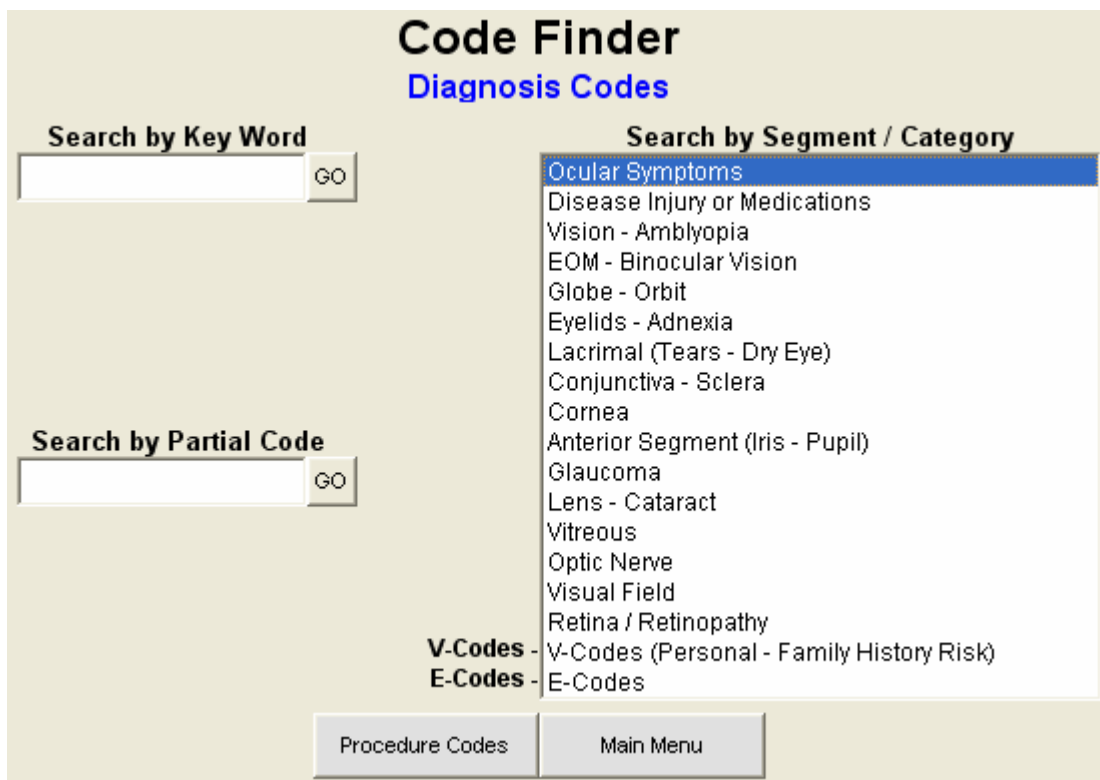
Code Finder®

One function of **Code Finder®** is that it allows you to quickly find any Ophthalmic Diagnosis and Procedure code. More importantly, it shows the **Allowed Reimbursable Procedures** for the selected Diagnosis. When finding a Procedure Code, it lists all the Linked Diagnosis codes. It also identifies specific Coding Requirements for selected Diagnosis and Procedure Codes. **Code Finder®** is the perfect tool to insure that you are coding accurately and completely!

Finding a Diagnosis Code

To find a diagnosis code you have three choices.

1. **Eye Segment:** Start with the segment of the eye (in SOAP format) and drill down from there.
 - o In the right hand box simply click the eye segment. Depending on the selection, you will see a further breakdown for that category.
 - o Click the appropriate sub category.
 - o You will see the diagnosis codes that apply to your selection.
2. **Search by Keyword:** A powerful tool, just enter a word or partial word and find all diagnosis that match.
 - o In the top left box simply type an ophthalmic word or partial word. Then either hit Enter or click “GO.”
 - o Instantly, you will see the diagnosis codes for the descriptions that contain that word.
 - o IntelliSearch feature allows you to type related terms. This allows you to find a diagnosis even if the actual word or phrase does not appear in the Diagnosis description.
3. **Search by Partial Code:** Enter part of the code number. **Code Finder®** will find all matching codes.
 - o In the bottom left box type part of the diagnosis code that you know. Then either hit Enter or click “GO.”
 - o Instantly, you will see the diagnosis codes that contain that partial code



Regardless of which of the three methods you utilize to find a Diagnosis code, the results are immediately displayed.

Note: There is a **Procedure Codes** button. This allows you to go directly to find a Procedure Code without having to back track.

Finding a Diagnosis Code using the “Search by Eye Segment” Option.

The screenshot shows the 'Code Finder' interface with the following elements:

- Search by Key Word:** A text input field and a 'GO' button.
- Search by Partial Code:** A text input field and a 'GO' button.
- Search by Segment / Category:** A dropdown menu with the following options:
 - Ocular Symptoms
 - Disease Injury or Medications
 - Vision - Amblyopia
 - EOM - Binocular Vision
 - Globe - Orbit
 - Eyelids - Adnexia
 - Lacrimal (Tears - Dry Eye)
 - Conjunctiva - Sclera
 - Cornea
 - Anterior Segment (Iris - Pupil)
 - Glaucoma
 - Lens - Cataract
 - Vitreous
 - Optic Nerve
 - Visual Field
 - Retina / Retinopathy
 - V-Codes - V-Codes (Personal - Family History Risk)
 - E-Codes - E-Codes
- Buttons:** 'Procedure Codes' and 'Main Menu'.

A callout box points to the 'Cornea' option in the dropdown menu, stating: "With the Mouse or cursor keys, select the category. **Cornea** in this example."

First, click the desired eye segment. There are also the categories of Ocular Symptoms, Disease, Injury or Medications, Vision, as well as a direct link to V-codes and E-Codes.

This will bring you to the Sub-category screen.

The screenshot shows the 'Code Finder' interface with the following elements:

- Code Finder**
Diagnosis Codes
- Searching: Cornea**
- Sub-categories:**
 - Corneal Defect, Injury & Foreign Body
 - Keratoconus
 - Corneal Ulcers
 - Dry Eye – Degeneration & Arcus
 - Keratopathy – Corneal Edema
 - Neovascularization – Opacity
 - Keratitis – Keratoconjunctivitis
 - Pigmentation & Deposits
 - Congenital Conditions
 - Corneal Neoplasms

A callout box points to the 'Keratopathy – Corneal Edema' option, stating: "With the Mouse or cursor keys, select the sub-category. **Keratopathy – Corneal Edema** in this example."

From this screen, select the desired sub-category. (Note: some Categories do not have sub-categories in those cases this screen will be skipped.)

This will bring you to the screen listing the codes for the selected sub-category. Do not stop here! While this screen does show the Diagnosis Code and Description, Code Finder provides much more information.

Code Finder
Diagnosis Codes

Codes for: Keratopathy – Corneal Edema

371.43	Band Keratopathy
371.23	Bullous Keratopathy
996.51	Corneal Rejection Post Penetrating Keratopalsty
371.24	Edema - Contact Lens Related
371.22	Edema - Secondary
371.20	Edema - Unspecified

With the Mouse or cursor keys, select the Diagnosis Code.
Edema – Unspecified in this example.

Note the Scroll bar to view and select additional codes.

Now the Diagnosis screen is displayed:

Code Finder
by Nteon

371.20 | Edema - Unspecified

Diagnosis Code and Description are displayed. Note this is the CMS [HCFA] description.

Allowed Procedures

- Anterior Segment Photography [92286]
- Pachometry with Interpretation [76514]
- Ophthalmic Ultrasonic - B-Scan [76512]
- Unlisted Optometric Services [92499]

This is a list of "Allowed Reimbursable Procedures" for the Diagnosis

Notes:

Close

There is a lot of information available on this screen. First is are the Diagnosis code and description. The description is the CMS description.

Key Point: If you click on the Diagnosis code or description it will be automatically copied to the Windows Clip Board. This allows you to Paste the code and / or description into your Practice Management or other system.

Allowed Reimbursable Procedures

A major benefit to your Practice is the "Allowed Reimbursable Procedures." This is from CMS. A note of caution, these are the Federal Guidelines and for most instances apply. However, some states place restrictions. If you find any that do not apply for any reason, contact Nteon and we will make changes to the system.

Notes are provided for many of the Diagnosis. They are designed to help you and your staff in proper coding.

Finding a Diagnosis Code using the “Search by Key Word” Option.

Code Finder
Diagnosis Codes

Search by Key Word
glau GO

Enter an Ophthalmic key word to search. It may be a partial word. For Example, Pannus or Eso

Intelli-Search Feature allows you to search for alternative terms that are not in the CMS terminology.

Search by Partial Code
GO

First with the Mouse, click the **Search by Keyword** box. Then type the search term. Note you can use partial words. In fact the less you type the better. **Glau** (for Glaucoma) in this example.

V-Codes - V-Codes (Personal - Family History Risk)
 E-Codes - E-Codes

Procedure Codes Main Menu

Search results for: glau

365.22	Glaucoma - Angle Closure - Acute
365.23	Glaucoma - Angle Closure - Chronic
365.21	Glaucoma - Angle Closure - Intermediate
365.24	Glaucoma - Angle Closure - Residual
365.20	Glaucoma - Angle Closure - Unspecified
365.61	Glaucoma - Pupillary Block
360.42	Blind Hypertensive Eye - Absolute Glaucoma
365.51	Phacolytic Glaucoma
365.52	Pseudoexfoliation Glaucoma
365.60	Glaucoma with Unspecified Disorder
365.61	Glaucoma with Pupillary Block
377.14	Optic Atrophy - Glaucomatous
364.22	Glaucomatocyclitic crises
365.63	Glaucoma - Neovascular
365.65	Glaucoma with Ocular Trauma

Click the **Search by Keyword** box. Then type the search term. You can use partial words. In fact the less you type the better. EyeCOR uses its **Intelli-Search** feature. This is a database of Alternative Terms that allows you to find a code even when the term is not part of the code description.

Also for speed, because you have typed the search term, EyeCOR recognizes that you are using the keyboard. You do not have to reach for the mouse to click **GO**. You can simply press the **Enter** key to search for the codes.

This will bring you to the “Search Results” screen. As with Search by Category, click the desired code.

Code Finder
Diagnosis Codes

Search results for: glau

365.22	Glaucoma - Angle Closure - Acute
365.23	Glaucoma - Angle Closure - Chronic
365.21	Glaucoma - Angle Closure - Intermediate
365.24	Glaucoma - Angle Closure - Residual
365.20	Glaucoma - Angle Closure - Unspecified
365.61	Glaucoma - Pupillary Block
360.42	Blind Hypertensive Eye - Absolute Glaucoma
365.51	Phacolytic Glaucoma
365.52	Pseudoexfoliation Glaucoma
365.60	Glaucoma with Unspecified Disorder
365.61	Glaucoma with Pupillary Block
377.14	Optic Atrophy - Glaucomatous
364.22	Glaucomatocyclitic crises
365.63	Glaucoma - Neovascular
365.65	Glaucoma with Ocular Trauma

Note the Scroll bar to view and select additional codes.

With the Mouse or cursor keys, select the Diagnosis Code. **Glaucoma with Ocular Trauma** in this example.

Code Finder
by Nteon

Diagnosis Code and Description are displayed. Note this is the CMS [HCFA] description.

365.65 Glaucoma with Ocular Trauma

Allowed Procedures

- Extended Ophthalmoscopy [92225, 92226]
- Gonioscopy [92020]
- Fundus Photos [92250]
- Scanning Laser [92135]
- Visual Fields [92081, 92082, 92083]

Warning. These are guidelines only!

Based on CMS

Payable together code. These are subject to local medical review.

This is a list of "Allowed Reimbursable Procedures" for the Diagnosis

Notes:

Include Codes for associated Ocular Manifestation

Close

Click either Diagnosis Code or Description and the value will be on the Clip Board.

These are notes that apply to the selected Diagnosis.

In this example Code Finder© reminds you to code the manifestation associated with the Glaucoma.

Refer to the previous section “Finding a Diagnosis Code using the “Search by Eye Segment” Option” for explanation of the contents of this screen.

Finding a Diagnosis Code using the “Search by Partial Code” Option.

Though available to all users, this is typically used by the Billing staff where they know a partial code and need the full code and description.

Code Finder
Diagnosis Codes

Search by Key Word

GO

Search by Segment / Category
Ocular Symptoms
Disease Injury or Medications
Vision - Amblyopia
EOM - Binocular Vision
Globe - Orbit
Eyelids - Adnexia
Lacrimal (Tears - Dry Eye)
Conjunctiva - Sclera
Cornea
Anterior Segment (Iris - Pupil)
Glaucoma

Search by Partial Code

GO

Enter the partial Code you need to find the Diagnosis. For Example, 37 when looking for 37x.xx

First with the Mouse, click the **Search by Partial Code** box. Then type the search term. **362** in this example.

V-Codes - V-Codes (Personal - Family History Risk)
E-Codes - E-Codes

Retina / Retinopathy

Click the **Search by Partial Code** box. Then type the partial code.

As in all cases where you use the keyboard, EyeCOR you can simply press the **Enter** key to search for the codes.

This will bring you to the “Search Results” screen. As with previous examples, click the desired code.

Code Finder
Diagnosis Codes

Search results for:

362.55	Plaquenil Evaluation
362.75	Other Dystrophies Primarily Involving The Sensory Retina
362.34	Transient Retinal Arterial Occlusion - Amaurosis Fugax
362.01	Retinopathy - Diabetic Background (250.5)
362.02	Retinopathy - Diabetic Proliferative (250.5)
362.10	Background Retinopathy - Unspecified
362.13	Changes In Vascular Appearance Of Retina - Vascular sheathing of retina
362.12	Retinopathy - Exudative - Coats' syndrome
362.11	Retinopathy - Hypertensive
362.14	Retinal Microaneurysms - NOS
362.16	Retinal Neovascularization - NOS
362.15	Retinal Telangiectasia
362.18	Retinal Vasculitis
362.21	Retrolental Fibroplasia
362.29	Retinopathy - Proliferative - Non-Diabetic

With the Mouse or cursor keys, select the Diagnosis Code.

After selecting a Diagnosis the screen will be similar to those described in the previous two examples.

Finding a Procedure Code

To find a Procedure code you also have three choices.

1. **Procedure Category:** Start with the procedure category and simply drill down from there.
 - In the right hand box simply click the exam or procedure category. Depending on the selection, you will see a further breakdown for that category.
 - Click the appropriate sub category.
 - You will see the procedure codes that apply to your selection.
2. **Search by Keyword:** A powerful tool just enter a word or partial word and find all procedures that match.
 - In the top left box simply type an ophthalmic word or partial word. Then either hit Enter or click “GO.”
 - Instantly, you will see the procedure codes for the descriptions that contain that word.
3. **Search by Partial Code:** Enter part of the code number. **Code Finder**® will find all matching codes.
 - In the bottom left box simply type part of the procedure code that you know. Then either hit Enter or click “GO.”
 - Instantly, you will see the procedure codes that contain that partial code

The screenshot shows the 'Code Finder' interface for 'Procedure Codes'. It features three search methods on the left: 'Search by Key Word' with a text input and a 'GO' button; 'Search by Partial Code' with a text input and a 'GO' button; and 'HCPCS Codes' with a dropdown menu currently set to 'HCPCS Codes'. On the right, a list of procedure categories is displayed, with 'Examination' selected and highlighted in blue. The categories include: Examination, Office Services / Specialty Procedures, Vision & Contact Lens Procedures, Office Consultation, Inpatient Consultation, Nursing Home, Surgical - Eyelid - Orbit - Face, Surgical - Muscles - Strabismus, Surgical - Cornea, Surgical - Anterior Segment - Lacrimal, Surgical - Anterior Chamber, Surgical - Glaucoma - Iris - Ciliary Body, Surgical - Lens - Cataract - Capsule, Surgical - Posterior Segment, and Postoperative Care. At the bottom, there are two buttons: 'Diagnosis Codes' and 'Main Menu'.

Regardless of which of the three methods you utilize to find a Procedure code, the results are immediately displayed. Note: There is a **Diagnosis Codes** button. This allows you to go directly to find a Diagnosis Code without having to back track.

Finding a Procedure Code using the “Search by Procedure Category” Option.

Code Finder
Procedure Codes

Search by Key Word

With the Mouse or cursor keys, select the category.
Office Services / Specialty Procedures in this example.

Search by Partial Code

Search by Procedure Category

- Examination
- Office Services / Specialty Procedures
- Vision & Contact Lens Procedures
- Office Consultation
- Inpatient Consultation
- Nursing Home
- Surgical - Eyelid - Orbit - Face
- Surgical - Muscles - Strabismus
- Surgical - Cornea
- Surgical - Anterior Segment - Lacrimal
- Surgical - Anterior Chamber
- Surgical - Glaucoma - Iris - Ciliary Body
- Surgical - Lens - Cataract - Capsule
- Surgical - Posterior Segment
- Postoperative Care

HCPCS Codes - HCPCS Codes

First, click the desired category. There is also a direct link to the HCPCS codes.

This will bring you to the screen listing the codes for the selected Procedure Code category. Do not stop here! While this screen does show the Procedure Code and Description, Code Finder provides much more information.

Code Finder
Procedure Codes

Codes for: Office Services / Specialty Procedures

13780	Eye Exam / Does Not Wear Glasses
12001	Eye Exam / Wears Glasses
92355	Fitting Telescope - Compound
92235	Fluorescein Angiography (multiframe imaging)
92230	Fluorescein Angioscopy
92250	Fundus photography
92140	Glaucoma - Provocative Test
G0117	Glaucoma Screening for High Risk Patients by OD or MD
G0118	Glaucoma Screening for High Risk Patients under direct supervision of OD or MD
92020	Gonioscopy
92240	Indocyanine-green Angiography (multiframe imaging)
68801	Lacrimal Dilation
68840	Lacrimal Irrigation + Probe
S0800	Laser in situ keratomileusis (lasik)
92354	Low Vision - Spectacles Mounted low vision aid - single element system

With the Mouse or cursor keys, select the Procedure Code.
Fundus Photography in this example.

Note the Scroll bar to view and select additional codes.

Now the Procedure screen is displayed:

Display of Procedure Codes

The screenshot shows the 'Code Finder' application window. The title bar reads 'Code Finder' with standard window controls. The main area displays '92250 Fundus photography'. A callout box points to this text, stating 'Procedure Code and Description are displayed.' Another callout points to a 'Print this Screen' button in the top right, stating 'Print Screen button allows you to print this screen for inclusion in the patient's record.' Below the procedure name, a blue highlight reads 'Procedure requires Interpretation and Report'. A callout points to this highlight, stating 'Clearly identifies all procedures requiring "Interpretation and Report."' Below this is a section titled 'Linked Diagnosis' containing a scrollable list of diagnosis codes:

053.20	Herpes Zoster Dermatitis
053.21	Herpes Zoster Keratoconjunctivitis
053.22	Herpes Zoster Iridocyclitis
115.92	Histoplasmosis Retinitis
135	Sarcoidosis
190.0	Malignant Neoplasm - Eyeball, (Except Conjunctiva, Cornea, Retina, and Choroid)

A callout points to the list, stating 'List of the Linked Diagnosis Code for the selected Procedure.' Below the list is a 'Notes:' section with a text area containing 'Medicare considers a Bilateral Procedure.' A callout points to this text, stating 'Notes for the selected Procedure.'

Linked Diagnosis Codes

This scrollable list shows all the Diagnosis Codes that are Linked to the selected Procedure. This means that each of these Diagnosis Codes have this Procedure as an Allowed Reimbursable Procedure.

Key Point: If you click on the Procedure code or description it will be automatically copied to the Windows Clip Board. This allows you to Paste the code and / or description into your Practice Management or other system.

Interpretation and Report

This highlight is displayed for all Procedures that require an Interpretation and Report. This reinforces the user to recognize the requirement for the report. See the Ophthalmic Reference for further features regarding Interpretation and Report.

Notes are provided for many of the Procedures. They are designed to help you and your staff in proper coding.

Note the Procedure Code display in the next example. This shows any specific "**Coding Requirements**" for the selected Procedure.

Finding a Procedure Code using the “Search by Key Word” Option.

Code Finder
Procedure Codes

Search by Key Word
serial GO

Enter an Ophthalmic key word to search. It may be a partial word. For Example, Ptosis or Irido

Search by Procedure Category
Examination
Office Services / Specialty Procedures

First with the Mouse, click the **Search by Keyword** box. Then type the search term. Note you can use partial words. In fact the less you type the better. **Serial** (for Serial Tonometry) in this example.

Surgical - Cornea
Surgical - Anterior Segment - Lacrimal
Surgical - Anterior Chamber
Surgical - Glaucoma - Iris - Ciliary Body
Surgical - Lens - Cataract - Capsule
Surgical - Posterior Segment
Postoperative Care

HCPCS Codes - HCPCS Codes

Click the **Search by Keyword** box. Then type the search term. You can use partial words. In fact the less you type the better. EyeCOR uses its **Intelli-Search** feature. This is a database of Alternative Terms that allows you to find a code even when the term is not part of the code description.

Again where you use the keyboard, you can simply press the **Enter** key to search for the codes.

This will bring you to the “Search Results” screen. As with Search by Category, click the desired code.

Code Finder
Procedure Codes

Search results for: serial

92100	Serial tonometry

With the Mouse or cursor keys, select the Procedure Code. **Serial Tonometry** in this example.

This displays the Procedure screen.

The screenshot shows the 'Code Finder' window with the following content:

- Window Title: Code Finder
- Print Button: Print this Screen
- Search Input: 92100 Serial tonometry
- Procedure Status: Procedure requires Interpretation and Report
- Section: **Linked Diagnosis**
- Table of Linked Diagnoses:

362.01	Retinopathy - Diabetic Background (250.5)
362.02	Retinopathy - Diabetic Proliferative (250.5)
362.50	Macular Degeneration - Senile - (ARMD) Unspecified
365.00	Pre-Glaucoma
365.01	Open Angle With Borderline Glaucoma Findings (Glaucoma Suspect)
365.04	Ocular Hypertension
- Section: **Notes:**
- Notes Text: Must measure IOP at least three (3) separate times during the same day. Diurnal curve or medical treatment of acute elevation of intraocular pressure.
- Section: **Coding Requirement** (indicated by a red call-out icon)
- Coding Requirement Text: "Separate Procedure" This procedure cannot be reported in addition to an Exam procedure for the same exam. To justify with eye exam / consultation must have one diagnosis for exam and another for this test. Append this procedure with "59" modifier.
- Close Button: Close
- Call-out Box: For each Procedure that has specific Coding Requirements, EyeCOR displays the requirements in red with a red Call Out.

All of the other attributes of the Procedure Code screen are explained in the previous section **“Finding a Procedure Code using the “Search by Category” Option.”**

Coding Requirements

This is an important feature. Those Procedures that have specific coding requirements we show the requirements in red and with a red Call-Out icon.

Finding a Procedure Code using the “Search by Partial Code” Option.

As with the Diagnosis Codes, this is typically used by the Billing staff where they know a partial code and need the full code and description.

Code Finder
Procedure Codes

Search by Key Word

Search by Procedure Category

- Examination
- Office Services / Specialty Procedures
- Vision & Contact Lens Procedures
- Office Consultation
- Inpatient Consultation

Search by Partial Code

Enter the partial Code you need to find the Procedure. For Example, 992 when looking for 992xx

HCPCS Codes - HCPCS Codes

- Surgical - Anterior Segment - Lacrimal
- Surgical - Anterior Chamber
- Surgical - Glaucoma - Iris - Ciliary Body
- Surgical - Lens - Cataract - Capsule
- Surgical - Posterior Segment
- Postoperative Care

First with the Mouse, click the **Search by Partial Code** box. Then type the search term. **688** in this example.

Click the **Search by Partial Code** box. Then type the partial code.

As in all cases where you use the keyboard, EyeCOR you can simply press the **Enter** key to search for the codes.

This will bring you to the “Search Results” screen. As with previous examples, click the desired code.

Code Finder
Procedure Codes

Search results for:

68801	Lacrimal Dilation
68840	Lacrimal Irrigation + Probe
68800	Punctal Dilation / Irrigation
68820	Probe Nasolacrimal Duct - Irrigation
68825	Probe Nasolacrimal Duct - Anesthetic
68830	Probe Nasolacrimal Duct / Stent
68840	Probe Canaliculi

With the Mouse or cursor keys, select the Procedure Code.

After selecting a Procedure, the screen will be similar to those described in the previous two examples.

More on Diagnosis and Procedure Codes

So as not to confuse the reader, what we have presented regarding the Codes, so far covers the basic use of EyeCOR. There are other tools and features of Code Finder. This section will describe some of these additional tools and features.

Screen Navigation

We have mentioned that when you use the keyboard, EyeCOR recognizes that and will respond to the **Enter** key and avoids having to reach for the mouse. Obviously, you can use the mouse to click the **GO** button to select a code. This feature simply provides you with the capability to save time by not having to reach for the mouse since you are on the keyboard.

The blue background for the item indicates the current item in the list. As you maneuver through the list the blue highlight show your current selection. Once you are on your desired item then press the **Enter** key to select the item.

We have carried this feature to other screens. This helps some people that prefer to use the keyboard as much as possible. The other purpose is to avoid the nescience and waste of time bouncing between the keyboard and mouse. All of the screens that have a list of items can be selected with the mouse or selected using the keyboard keys. These include the following keys:

Keyboard Key	Action
Cursor Up (Up arrow ↑)	Move up one item in the list
Cursor Down (Down arrow ↓)	Move down one item in the list
Home	Go to the beginning of the list
End	Go to the end of the list
Page Up	Go up one screen
Page Down	Go down one screen
Enter	Select the highlighted item
Esc	Go back one screen

The following screen demonstrates the blue highlight after the cursor down key was used to select the item.



Navigating between Diagnosis and Procedure Codes

You may have noticed on each Diagnosis screen the presence of the **Procedure Codes** button. This is another time savings tool for you the user. This allows you to instantly move to the Procedure Code module from anywhere in the Diagnosis section, without having to go all the way out. Similarly each of the Procedure screens has the **Diagnosis Codes** button.



Use the **Main Menu** button when finished with Code Finder.

Printing the Diagnosis and Procedure Code Screens

On the top left corner of both the Diagnosis and Procedure Code Screens is a **Print This Screen** button. Code Finder will automatically print the information on this screen. Where there are additional codes that scroll on the screen, the print out will have all the codes printed.

An example of the resulting print out is shown below.

EyeCOR - Code Finder	
92100 Serial tonometry	Procedure requires Interpretation and Report
Linked Diagnosis:	
362.01 Retinopathy - Diabetic Background (250.5)	
362.02 Retinopathy - Diabetic Proliferative (250.5)	
362.50 Macular Degeneration - Senile - (ARMD) Unspecified	
365.00 Pre-Glaucoma	
365.01 Open Angle With Borderline Glaucoma Findings (Glaucoma Suspect)	
365.04 Ocular Hypertension	
365.10 Glaucoma - Open Angle - Unspecified	
365.11 Glaucoma - Open Angle - Suspect	
368.8 Blurred Vision	
371.57 Fuchs' Endothelial Dystrophy	
372.14 Giant Papillary Conjunctivitis Allergic	
375.15 Dry Eye Syndrome (Keratitis Sicca)	
377.14 Optic Atrophy - Glaucomatous	
378.42 Exophoria	
379.31 Aphakia	
379.91 Eye Pain (In or around Eye)	
410.10 Dry Eye Syndrome (Keratitis Sicca)	
746.85 Cataract - Senile Mature	
V43.1 Pseudophakia	
Notes:	
Must measure IOP at least three (3) separate times during the same day. Diurnal curve or medical treatment of acute elevation of intraocular pressure.	
Coding Requirements:	
"Separate Procedure" Normally, procedure cannot be reported in addition to Exam procedure for same exam. To justify with eye exam, must have one diagnosis for exam and different diagnosis for this test. Then this procedure must have a "59" modifier.	
Printed: 8/23/2004	EyeCOR Version: 3.8.6 Sept 2004
Copyright: 2002-2004 Nteon Software - EyeCOR	Phone: (888)866-5367
www.eyecor.com	

You will notice that the printout does contain all the information that appears on the screen.

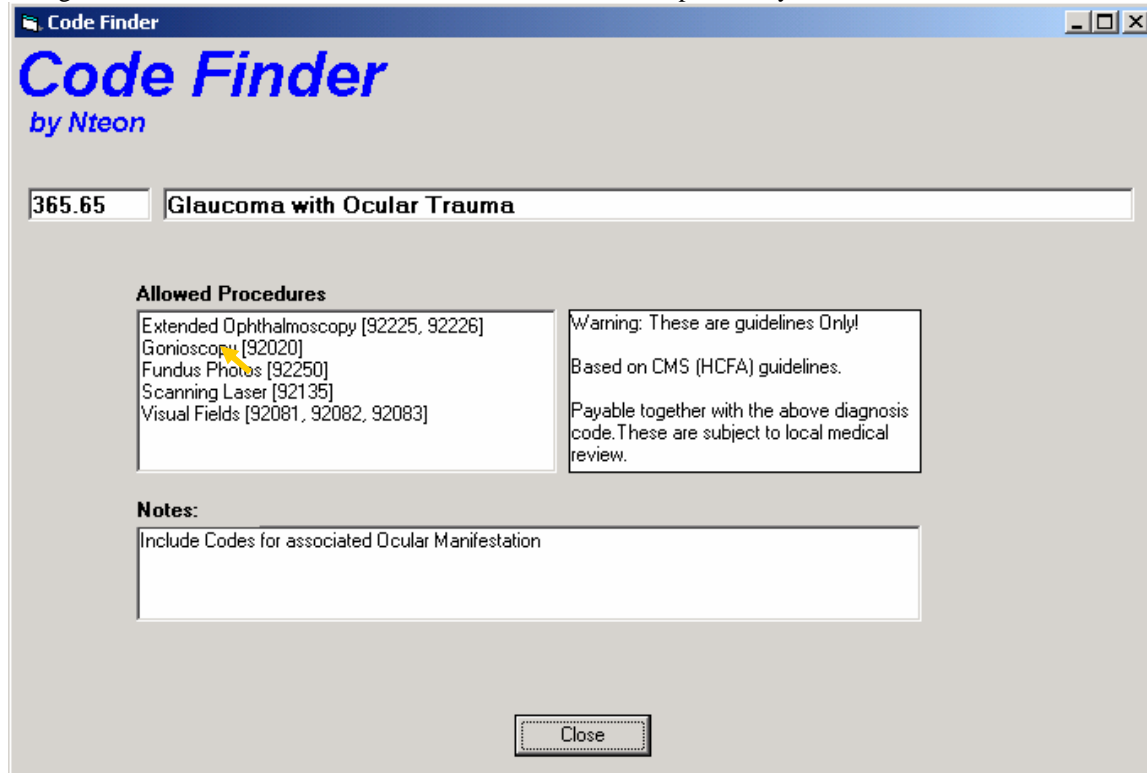
Note: It is important to recognize coding requirements change. This printout is designed as a reference for the time period when it was printed. Typically, something like this would be printed for the exam record.

This print out is not intended to be used as a quick reference for future lookup!

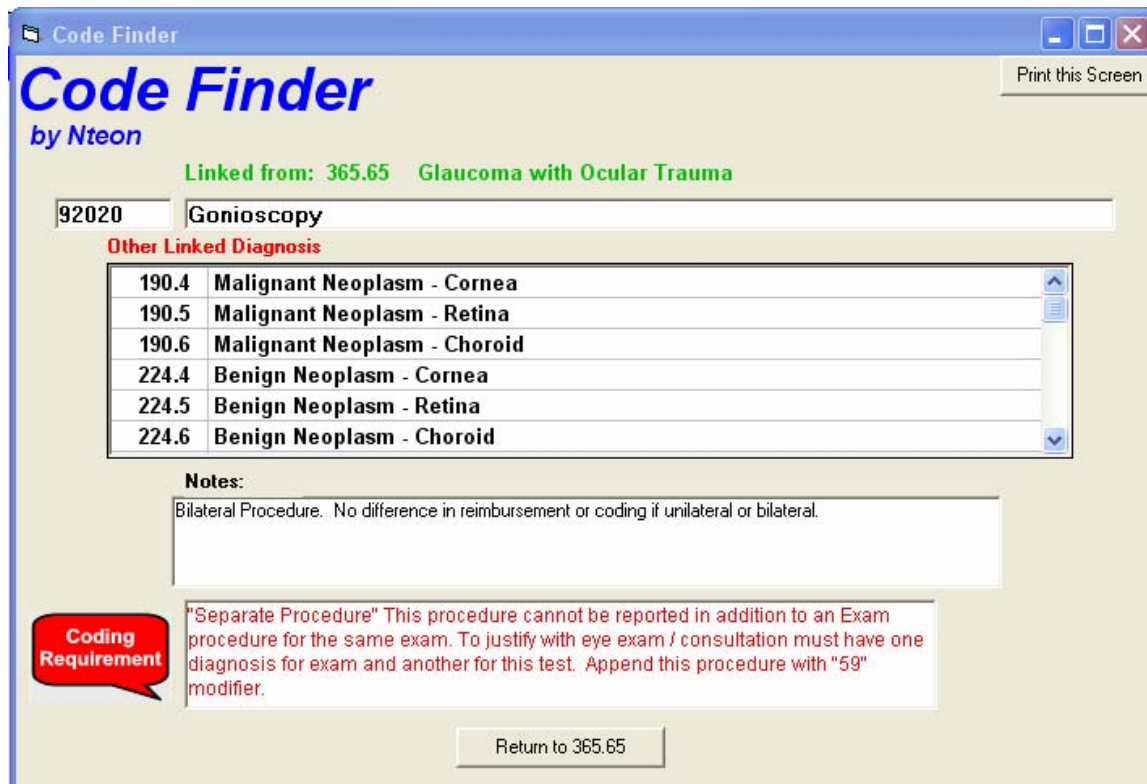
Obtaining More Information on Allowed Reimbursable Procedures

When you have the diagnosis screen displayed with the Allowed Reimbursable Procedures, EyeCOR provides you with the ability to obtain more information about any of the procedures.

Using the screen for Glaucoma with Ocular Trauma discussed previously, note the list of Allowed Procedures.



With your mouse click on any of the Allowed Reimbursable Procedures and the Procedure code screen appears.



This screen contains the same information as if you selected the procedure manually. The advantage is that you can go to the Allowed Procedure directly from the Diagnosis. Note the "Linked from" line which shows which Diagnosis you linked from. Closing this Procedure Code screen returns you to the original Diagnosis screen.

In a similar manner, when you have the procedure screen displayed with the Linked Diagnosis, EyeCOR provides you with the ability to obtain more information about any of the Diagnosis codes.

Using the screen for Glaucoma with Ocular Trauma discussed previously, note the list of Allowed Procedures.

The screenshot shows the 'Code Finder' application window. At the top, it says 'Code Finder by Nteon'. Below that, there is a search bar containing '92100' and 'Serial tonometry'. To the right of the search bar, it says 'Procedure requires Interpretation and Report'. Below the search bar, there is a section titled 'Linked Diagnosis' which contains a list of diagnosis codes: 365.11 Glaucoma - Open-Angle - Primary, 365.12 Glaucoma - Low Tension, 365.20 Glaucoma - Angle Closure - Unspecified, 365.23 Glaucoma - Angle Closure - Chronic, 365.60 Glaucoma with Unspecified Disorder, and 365.9 Unspecified Glaucoma (Systemic Disease). Below the list, there is a 'Notes' section with the text: 'Must measure IOP at least three (3) separate times during the same day. Diurnal curve or medical treatment of acute elevation of intraocular pressure.' At the bottom left, there is a red speech bubble icon with the text 'Coding Requirement' and a box containing the text: '"Separate Procedure" This procedure cannot be reported in addition to an Exam procedure for the same exam. To justify with eye exam / consultation must have one diagnosis for exam and another for this test. Append this procedure with "59" modifier.' At the bottom center, there is a 'Close' button.

With your mouse click on any of the Diagnosis codes in the Linked Diagnosis and the Diagnosis code screen appears.

The screenshot shows the 'Code Finder' application window. At the top, it says 'Code Finder by Nteon'. Below that, there is a search bar containing '365.20' and 'Glaucoma - Angle Closure - Unspecified'. Above the search bar, it says 'Linked from: 92100 Serial tonometry'. Below the search bar, there is a section titled 'Allowed Procedures' which contains a list of procedure codes: Fundus Photos [92250], Extended Ophthalmoscopy [92225, 92226], Gonioscopy [92020], Scanning Laser [92135], Visual Fields [92081, 92082, 92083], and Serial Tonometry [92100]. To the right of the list, there is a warning box with the text: 'Warning: These are guidelines Only! Based on CMS (HCFA) guidelines. Payable together with the above diagnosis code. These are subject to local medical review.' Below the list, there is a 'Notes' section which is currently empty. At the bottom left, there is a red speech bubble icon with the text 'Coding Requirement' and a box containing the text: '"Separate Procedure" This procedure cannot be reported in addition to an Exam procedure for the same exam. To justify with eye exam / consultation must have one diagnosis for exam and another for this test. Append this procedure with "59" modifier.' At the bottom center, there is a button labeled 'Return to 92100'.

This screen contains the same information as if you selected the Diagnosis manually. The advantage is that you can go to the Linked Diagnosis directly from the Procedure Code. Note the "Linked from" line which shows which Procedure you linked from. Closing this Diagnosis Code screen returns you to the original Procedure screen.

Exam Code Requirements

Examination and Evaluation Codes (92xxx) and E/M Codes (992xx)

EyeCOR has a special feature for verifying **E/M Codes (992xx)**. In addition to the E/M codes, Code Finder also details requirements for the **Examination and Evaluation Codes (92xxx)**.

Code Finder

Procedure Codes

Search by Key Word

Search by Procedure Category

Examination

Office Services / Specialty Procedures

Vision & Contact Lens Procedures

Office Consultation

Inpatient Consultation

Nursing Home

Surgical - Eyelid - Orbit - Face

Surgical - Muscles - Strabismus

Surgical - Cornea

Surgical - Anterior Segment - Lacrimal

Surgical - Anterior Chamber

Surgical - Glaucoma - Iris - Ciliary Body

Surgical - Lens - Cataract - Capsule

Surgical - Posterior Segment

Postoperative Care

Search by Partial Code

HCPCS Codes - HCPCS Codes

Diagnosis Codes

Main Menu

First select the **Examination** category from **Search by Procedure Category**.

This will display the screen showing the Examination Codes. The first four are for the 92xxx Examination and Evaluation Codes. These are followed by the 992xx E/M Codes.

Code Finder

Procedure Codes

Codes for: Examination

92014	Examination and Evaluation - Comprehensive - Established
92004	Examination and Evaluation - Comprehensive - New
92012	Examination and Evaluation - Intermediate - Established
92002	Examination and Evaluation - Intermediate - New
99211	Examination Level I - Established
99201	Examination Level I - New Patient
99212	Examination Level II - Established
99202	Examination Level II - New Patient
99213	Examination Level III - Established
99203	Examination Level III - New Patient
99214	Examination Level IV - Established
99204	Examination Level IV - New Patient
99215	Examination Level V - Established
99205	Examination Level V - New Patient
W2014	Examination Welfare - Established Age: 1-20 and 60+

Select the desired code either with your mouse or cursor keys.

E/M Code Verification

When you select a 992xx E/M code, the Code Finder Matrix shows current CMS requirements for the code. CMS has changed the coding requirements and this represents the latest version. To obtain a definition you do not even have to click. Just hover over any item and Code Finder displays information about that item.

Code Finder
by Nteon

99203 Examination Level III - New Patient

Patient Type: **New Patient**

CMS (HCFA) Coding Requirements								
Code	HPI History Present Illness	Personal Family Social History	Review Of Systems	Exam Documentation	Amount or Complexity of Data Reviewed	Diagnosis and Management	Patient Risk	Time (Face To Face)
99201	1 - 3	0	0	Limited Exam	Minimal or None	Minimal	Minimal	10
99202	1 - 3	0	1	Limited Exam Plus	Minimal or None	Minimal	Minimal	20
99203	4 +	1	2 - 9	Extended Exam	Limited	Limited	Low	30
99204	4 +	3	10 +	Multi-system Exam	Moderate	Multiple	Moderate	45
99205	4 +	3	10 +	Multi-system Exam	Extensive	Extensive	High	60

This Code Finder matrix allows you to quickly determine appropriate coding levels. This is derived from current CMS (HCFA) guidelines and are subject to local reviews. This is only a guideline, you must document your Exam fully.

For 992xx E/M codes. Code Finder details each of the required Exam areas.

Hover your mouse over the items and headings for more detailed information. Also refer to the Ophthalmic Reference for more information on E/M Coding.

You do not even have to click. Just hover the mouse and detailed information about any item is automatically displayed.

Close

The individual headings are required for fulfillment of the selected Code. Note the information box in the lower right corner. This displays information about the selected item in the Code Finder matrix. Simply hover your mouse over a specific item. Hovering over the headings provides information about that category, such as HPI, Review of Systems, or Patient Risk. A couple of examples for HPI and Patient Risk of the hovering information for the Headings:

HPI History Present Illness: (Chief Complaint). The count reflects items related to the complaint; Severity, Duration, Time Line, etc.
Document all History carefully and completely!

Patient Risk: This is CMS [HCFA] defined Risk a key item! Regardless of how much you code you cannot increase Level if Risk is not appropriate. See the Ophthalmic Reference for full details.

Hovering the mouse over the individual item provides detailed information for the requirements at that selected exam level. A couple of examples of hovering over HPI and Patient Risk for exam level 3:

HPI: Medical Record should describe 4 or more elements of current HPI or associated co morbidities.
Classified as: Extended HPI

Low: 2 self-limited/minor problems
1 stable chronic
Acute uncomplicated
Refer to Ophthalmic Reference for more details.

For more information on Patient Risk or Review of Systems refer to the **Ophthalmic Reference**.

If you have any questions regarding this or any other aspect of the system, please feel free to call or email our support. We will be more than happy to help you and your practice.

Using Contacts Resource

Main Query Screen

The Main Query Screen is the most powerful aspect of **Contacts Resource**[®].

The Query screen allows you to either directly select a lens by manufacturer. It also allows you to build a query using one or more of the items available.

Building a Contact Lens Search Query

The following description applies to all items on this screen except Manufacturer, which goes directly to the list of Manufacturers.

As you hover over an item it changes to **Bold** font to verify your possible selection. Once selected the item turns red to confirm your selection. If you select an item in error, simply re-select the item to turn it off. You can also cancel a selection by selecting another item within the same frame, since they are mutually exclusive.

Contacts Resource
by Nteon

Search for Lens by:

Manufacturer

Lens Type
Spherical **Bifocal Multifocal** Toric Aphakic

Diameter / Base Curve
Diameter Base Curve

Other Criteria
Wear Type FDA Group UV

High Sphere
High Plus High Minus High Cylinder

Rx
Select Lens Type to enter Rx. Sphere Cyl Axis Add Exact Clear Rx

Help Search ALL Search Favorites Repeat Last Query Main Menu

You can make as simple a selection or as complicated as you need.

We will walk you through several examples starting with the simplest example of selecting a lens by Manufacturer. This will be followed by a detailed example of a query.

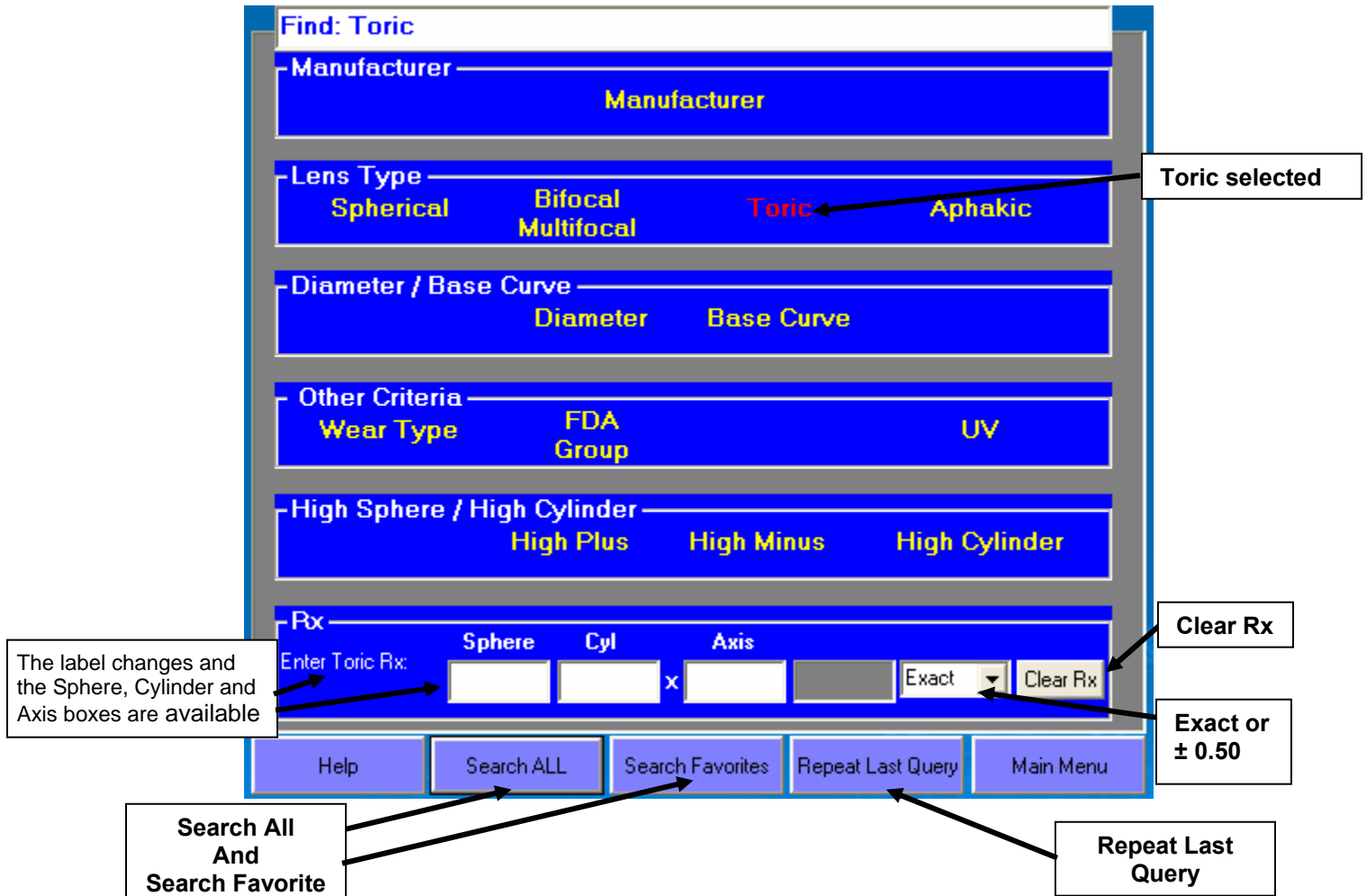
Anatomy of the Contacts Resource Query Screen

There are multiple options available to the user. This section will explain the options available on the Main Contacts Resource screen.

Selecting Lenses using Query

Several Query options may be used. The combination of Query items is up to you the user. Simply click to select a Query item. As you select Query items the actual query is displayed on the top to the frame.

Your query can be as simple as only selecting a Lens Type; Spherical, Bifocal or Toric. You can also use addition Query items in combination. For example, Toric with High Cylinder and/or High Sphere.



Position your cursor on the Sphere box and click. Type the Sphere value then **Tab** to the next box. For Spherical lenses only the Sphere box will be available. For Bifocal lenses the Sphere and Add (last box) boxes will be available.

Key Point: To save time. EyeCOR knows you are using the keyboard. You do not have to click subsequent fields. When moving from Sphere to Cylinder to Access, just press the **Tab** key. When you have completed the last Rx field one more **Tab** activate the **“Search All”** button. Then press the **Enter** key to search for the lenses. If you want to search only your favorite lenses, one more tab will activate the **“Search Favorite”** button.

Key Point: With the large amount of contact lenses in the database, we provide the option of selecting from all contact lenses (‘Search All’) or only your predefined favorite manufacturers (Search Favorite). You define your Favorites from the Manufactures option.

The **“Clear Rx”** button allows you to completely reset a previously or partially entered RX.

“Repeat Last Query” button allows you to repeat the last query. This is especially helpful when searching for a lens with Search Favorites then repeating the search using Search All. It also can be used when modifying a previous search. You may Re-display the Last Query then use the items to modify the search.

Selecting Lenses with an Rx

Another feature is the Rx frame at the bottom of the screen. Once you select a Lens Type, the appropriate Rx boxes will highlight. For example, after selecting Toric the screen will appear:

Where ever logical, Contacts Resource© will auto correct the Rx to save you time in entering. The following chart demonstrates some of the auto correction:

Field	Entered	Auto Correct
Sphere	5	+5.00
Sphere	-5	-5.00
Sphere	4.5	+4.50
Sphere	125	+1.25
Cylinder	175	1.75
Axis	50	050

Note about Cylinder sign. Remember these are contact lenses. So they are minus cylinders. However, many Ophthalmologists use Plus Cylinders. Contacts Resource always looks for all signs when searching for a specific cylinder value.

When entering values, first click the Sphere box to activate the feature. Then type the Sphere value. Since you are using the keyboard simply press Tab to move to the next box. The Auto-correct will properly format the value. So if you enter 5 it will automatically convert to +5.00. The full Toric Rx of 5, 175, 80 will be automatically formatted as:

As the Exact drop down is selected (by default) only those lenses matching the prescription will be displayed.

Using the values above, the next screen displays the lenses made for that Rx.

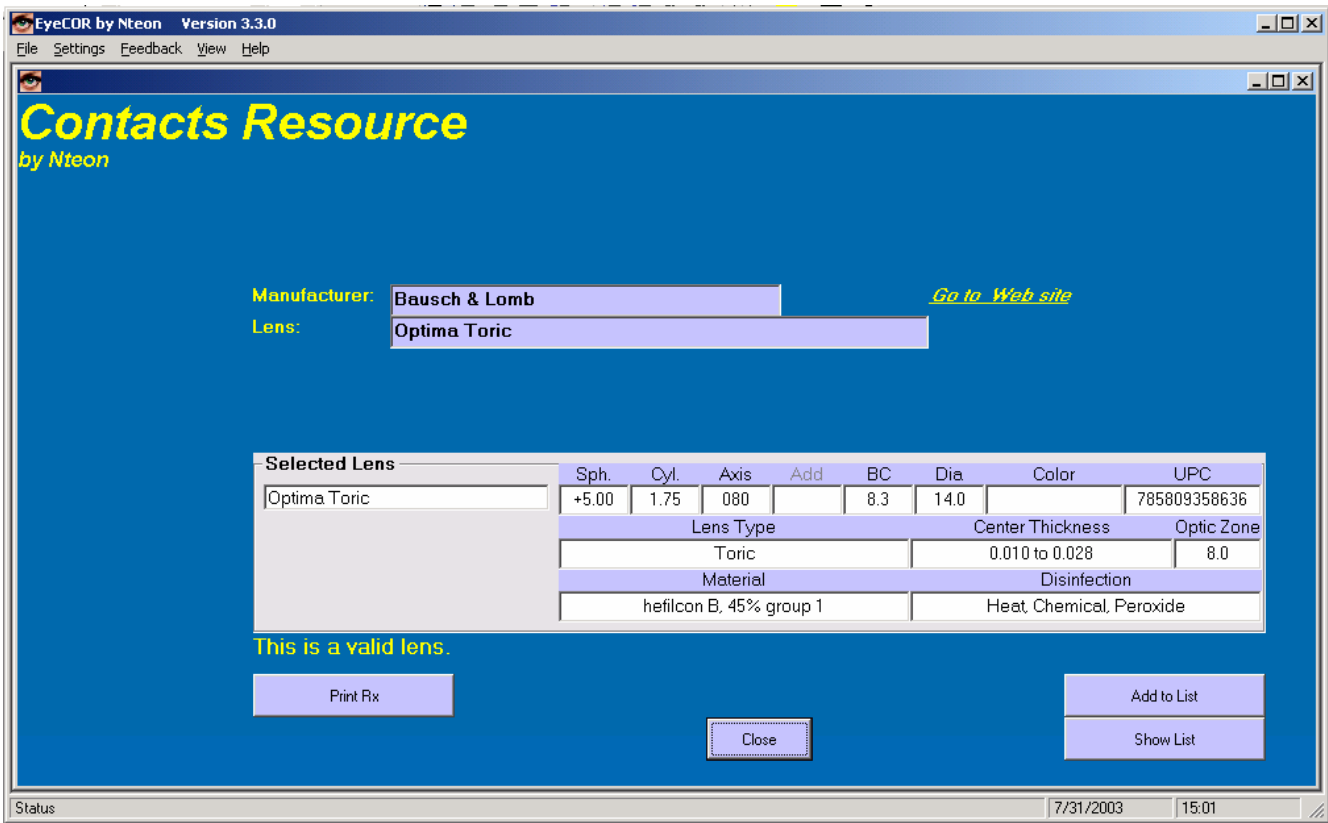
Click on a desired lens and you will immediately be presented with the display of all the specifications of the lens:

You could also enter the same Rx and selected the “± 0.50” drop down.

For Sphere the range ± 0.50. For Cylinder the range ± 0.50. For Axis the range ± 010.

In this case the lens matches would be Sphere: +4.50 to +5.50 Cylinder: 1.25 to 2.25 Axis 070 to 090.

Note: The lenses shown in the displays of this manual may not reflect the actual lenses. As we update lenses older lenses will be removed and newer lenses will be shown.



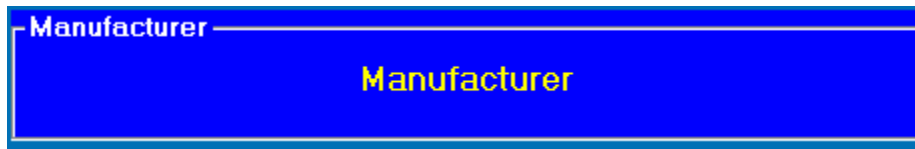
The information on this screen includes:

Manufacturer	Lens Name	Sphere
(Cylinder, Axis for Toric – Add for Bifocal)	Base Curve	Diameter
UPC or Bar code for ordering or inventory control	Lens Type	Center Thickness
Optic Zone	Material	Disinfection

There is also a link to the Manufacturer's web site. One click and you are at their site.

Manufacturer Related Options

To select a lens by Manufacturer simply click:



Since you have selected to find a lens by Manufacturer, it will directly display the manufacturer screen:

<input type="checkbox"/>	Acculens, Inc	<input checked="" type="checkbox"/>	Acuity One, LLC	<input type="checkbox"/>	Alden Optical Laboratories
<input type="checkbox"/>	Bausch & Lomb	<input type="checkbox"/>	Blanchard Contact Lens	<input type="checkbox"/>	California Optics
<input type="checkbox"/>	Ciba Vision Corp	<input type="checkbox"/>	CooperVision	<input type="checkbox"/>	Epcon Labs
<input type="checkbox"/>	Ideal Optics, Inc	<input checked="" type="checkbox"/>	Lombart Lenses	<input type="checkbox"/>	Metro Optics, Inc / Metros
<input type="checkbox"/>	Ocular Sciences	<input type="checkbox"/>	Optech, Inc	<input type="checkbox"/>	Opti-Centre Labs
<input type="checkbox"/>	Soderberg Contact Lens	<input type="checkbox"/>	Sunsoft	<input type="checkbox"/>	Unilens Corp
<input type="checkbox"/>	United Contact Lens, Inc	<input type="checkbox"/>	Valley Contax	<input checked="" type="checkbox"/>	Vistakon
<input type="checkbox"/>	Wesley Jessen	<input type="checkbox"/>	Westcon Contact Lens	<input type="checkbox"/>	World Optics, Inc
<input checked="" type="checkbox"/>	X-Cel Contacts	<input type="checkbox"/>		<input type="checkbox"/>	

This screen has two functions.

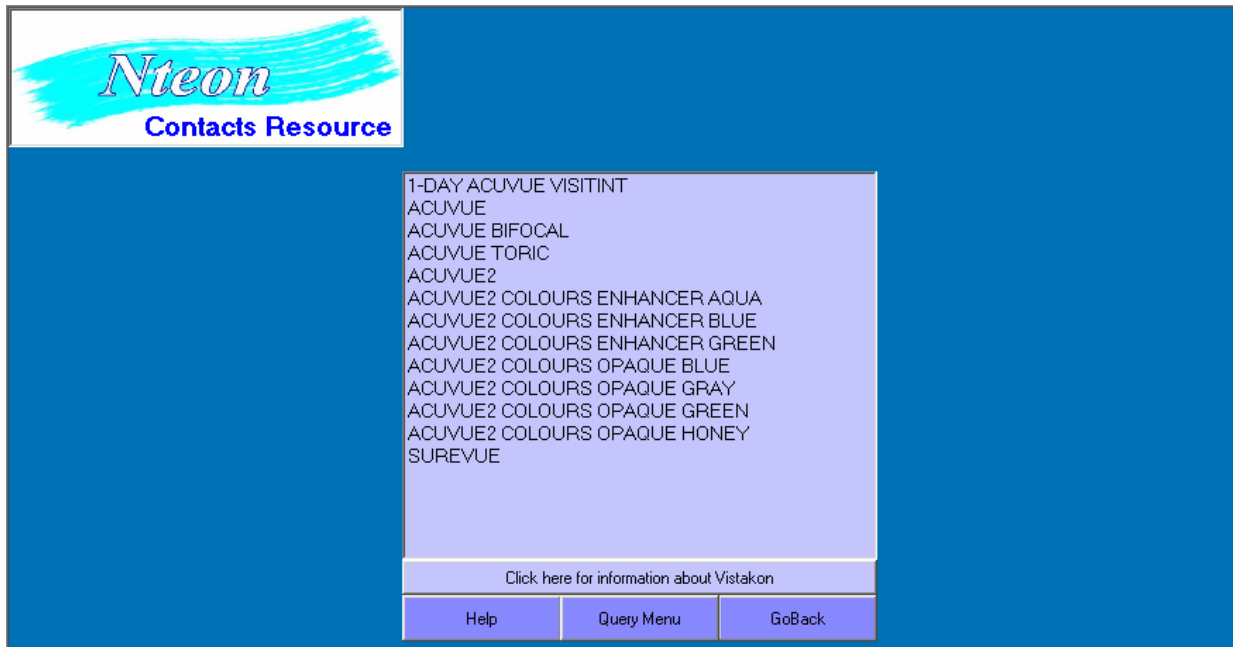
1. To define Favorite Manufacturers for filtering in future searches.
2. To find a lens by Manufacturer

Defining Favorite Manufacturers for filtering in future searches.

To select a manufacturer as one of your Favorites, click the square button to the left of the manufacturer's name. This will update the database. When you search for lenses using the query, you will have two options. Search All which searches for a lens matching your criteria from all lenses in the database. In the Contacts Resource Query screen Selecting **Search Favorites** will return only those lenses matching your criteria and being one of your designated favorites.

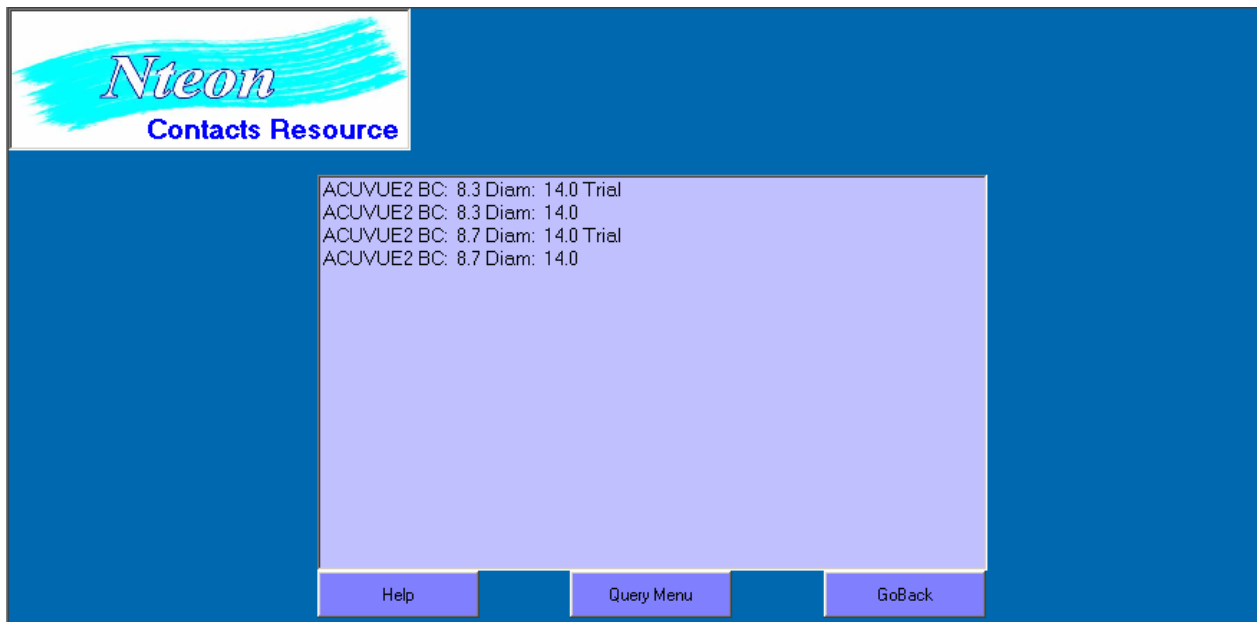
Find a lens by Manufacturer

To find a lens by Manufacturer, simply click the desired manufacturer. The next screen will display the lenses available through the selected manufacturer.



At this screen simply click the “Lens Family” you desire. Lens families are the various Lenses made by the Manufacturer.

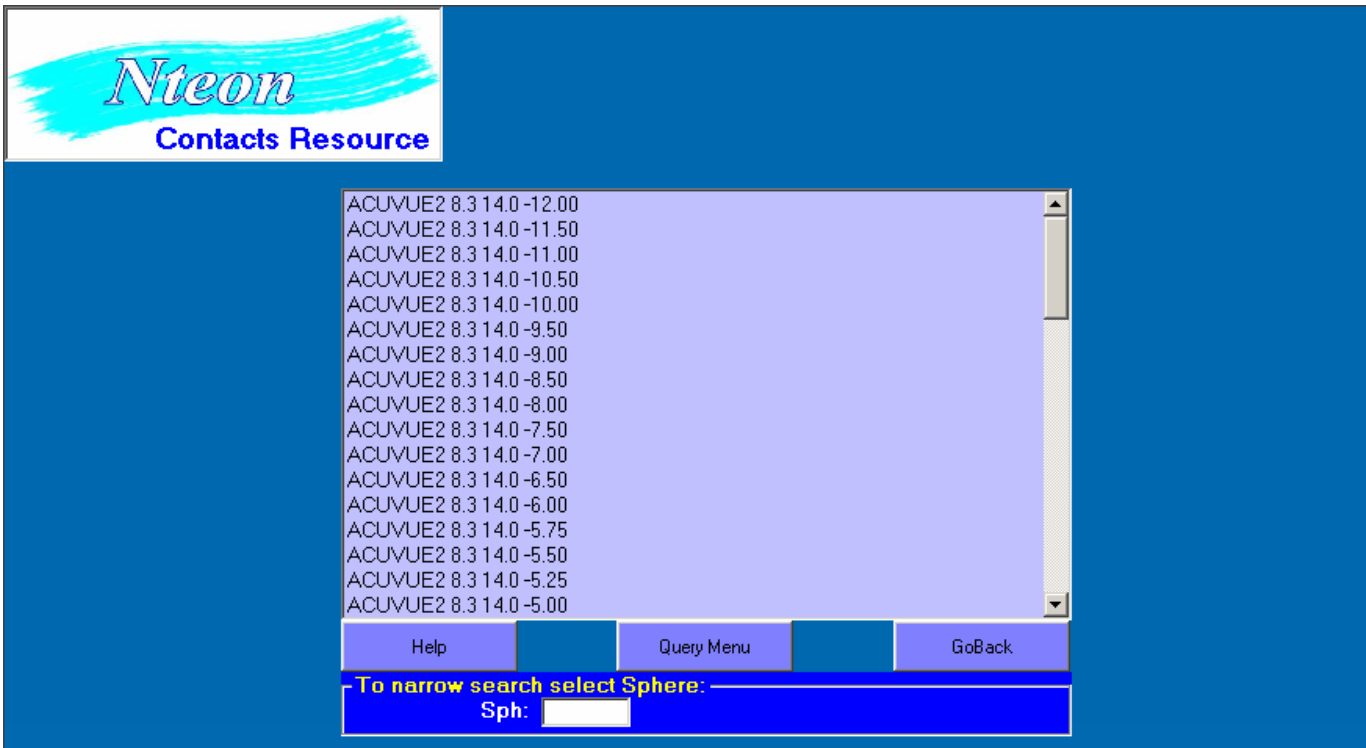
The next screen will display the types of lenses available within this “Lens Family.” Notice that any differences for Diameters and Base Curves will be shown on this screen.



Simply Click the desired Lens.

The next screen shows all the available lens Powers for the selected lens.

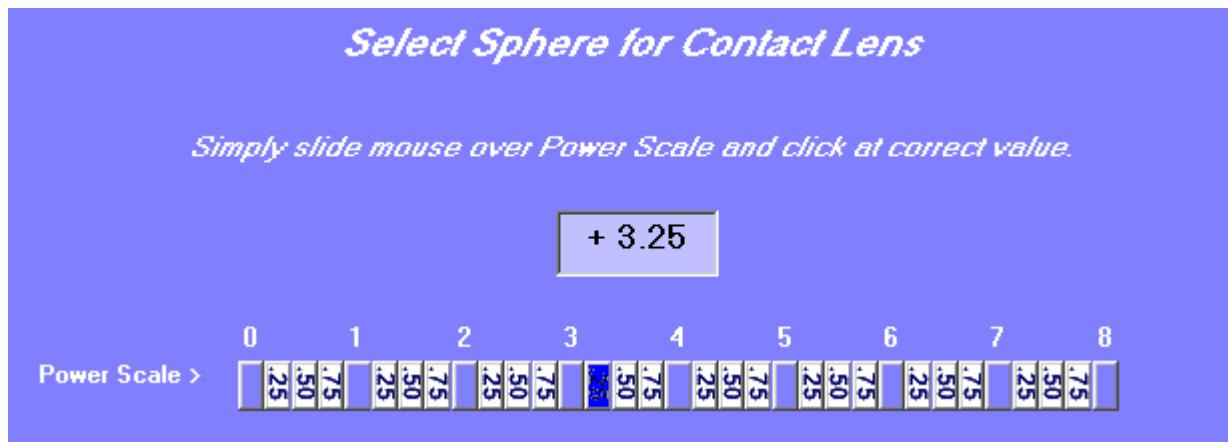
Key Point: The lenses shown are all the lenses made. Here is where **Contacts Resource**[®] has a distinct advantage over the magazine references. The magazines show ranges, “Power -12.00 to +8.00 steps .25” as an example. In many cases the magazines show ranges where all the values are not made. Using a magazine may result in prescribing a lens that does not exist. With **Contacts Resource**[®] only the available lenses are shown. So, unlike the magazines, you cannot make an incorrect choice.



You can simply click the desired lens from the list. Where there are many lenses you can use the “Narrow Search” feature. This is a powerful and easy to use tool to refine the selection.

Power Scale Feature – Find the Rx Fast

When narrowing the search, the Power Scale – piano keys are displayed. The Power Scale allows you or your staff to quickly and accurately select all lens characteristics (Sphere, Cylinder, Axis and Add).



Simply move your mouse over the piano keys. The key is highlighted and the value is displayed in the box above. When on the desired value simply left click on the key. That all!

Key Point: Here is another example where **Contacts Resource**[®] provides you with a clear advantage over any other resource. The Power Scale values displayed are exactly those available for the selected lens. In the example above the lens is made in Plus Sphere values of 0.00 to +8.00. As you can see that’s exactly what is displayed. So you are not presented with values that do not exist.

Regardless of how you select the lens Power (selecting the lens from the list or using the Power Scale), the next screen shows all the information of the lens.

Lens Detailed Specifications Screen

Manufacturer: [Go to Vistakon Web site](#)

Lens:

Selected Lens	Sph.	Cyl.	Axis	Add	BC	Dia	Color	UPC
<input type="text" value="ACUVUE2"/>	+3.25				8.3	14.0		73390580024
Lens Type		Center Thickness		Optic Zone				
Disposable		0.084 (-3.00)		8.0				
Material				Disinfection				
etafilcon A, 58%, stabilized soft				Chemical, Peroxide if re-used				

This is a valid lens.

Here is all the information concerning the lens.

Key Point: From start to finish this entire process took less than 5 seconds. Trying to do this simple search using a magazine! It would take several minutes.

Look at all the information on this screen:

Manufacturer	UPC code for ordering or inventory control
Lens Name	Lens Type
Sphere	Center Thickness
(Cylinder, Axis for Toric – Add for Bifocal)	Optic Zone
Base Curve	Material
Diameter	Disinfection

There is also a link to the Manufacturer's web site. One click and you are at their site.

If you do not have the lens in stock you can click "Add to List" and it will add the lens to an order list.

Selecting another Rx for the Same Lens

So now you have the lens for one eye. In the majority of cases the only change for the other eye would be a different power same lens. Instead of going through the same process again, click "Select another Rx for same lens." It will bring you back one screen. Make the single selection of a different power and you are back at this screen with the new lens. Finding the first lens took only 5 seconds, this took only a couple.

The whole point is to find the lens as easily and quickly as possible. Use your time on the patient not looking through a magazine. Which method do you think impresses your patients?

Using the Query Screen

In the previous example, we saw how easy it was to select a lens by manufacturer. But the real power and flexibility of **Contacts Resource**® is the query function. We will start as before at the Query Screen.

The screenshot shows the 'Query Screen' interface. At the top, a search bar contains 'Find: Toric'. Below it are several sections for selecting search criteria:

- Manufacturer:** A dropdown menu with 'Manufacturer' selected.
- Lens Type:** A dropdown menu with 'Spherical', 'Bifocal Multifocal', 'Toric' (highlighted in red), and 'Aphakic' options.
- Diameter / Base Curve:** A dropdown menu with 'Diameter' and 'Base Curve' options.
- Other Criteria:** A dropdown menu with 'Wear Type' (highlighted in yellow), 'FDA Group', and 'UV' options.
- High Sphere / High Cylinder:** A dropdown menu with 'High Plus', 'High Minus', and 'High Cylinder' options.
- Rx:** A section for entering a prescription. It includes a label 'Enter Toric Rx:', three input fields for 'Sphere', 'Cyl', and 'Axis', a dropdown menu set to 'Exact', and a 'Clear Rx' button.

At the bottom of the screen are five buttons: 'Help', 'Search ALL', 'Search Favorites', 'Repeat Last Query', and 'Main Menu'.

This time we will use the example of looking for a Toric Lens with a High Plus and High Cylinder.

Key Point: Before we begin, if you are using any of the contact lens quarterly publications you know searching by these criteria is impossible. But with **Contacts Resource**® it is simple and quick!

Note: We mentioned previously that selecting another item within the same frame would deselect the first item. This obviously does not apply to Diameter and Base Curve, nor does it apply to High Cylinder when available. In these cases the items are not mutually exclusive therefore do not reset one another.

A word of caution when using Wear Type. These are terms defined by the manufacturer and are very loosely interpreted. There are cases of the same lenses co-marketed by different manufacturers using different Wear Types.

Finding a Lens with the Contacts Resource[®] Query Function

In this example we will use the Query function to find a Toric lens with a High Plus Sphere and a High Cylinder.

First click Toric.

After selection, Toric is highlighted in red. (If you selected in error just re-click or click another item in the same frame.) Notice once Toric is selected High Cylinder appears.

Also notice the “Find” query is being built at the top of the screen.

Notice also that the “**Search All**” or “**Search Favorites**” command appears at the bottom. Click this when you have completed building your Query.

Next we clicked “High Plus.” A scroll box appears. To select the High Plus Sphere, click the up or down arrow, which increases or decreases the value. Once the desired value is displayed click OK

Now we see the Query as it is being built:

Find: Toric, High Sphere >= +6.00

Manufacturer
Manufacturer

Lens Type
Spherical Bifocal Multifocal Toric Aphakic

Diameter / Base Curve
Diameter Base Curve

Other Criteria
Wear Type FDA Group UV

High Sphere / High Cylinder
High Plus High Minus High Cylinder

Rx
Enter Toric Rx: x Clear Rx

Help Search ALL Search Favorites Main Menu

Now using the same process, we select High Cylinder and select the value. This ends up with the Query screen:

Find: Toric, High Sphere >= +6.00, High Cylinder >= 1.50

Manufacturer
Manufacturer

Lens Type
Spherical Bifocal Multifocal Toric Aphakic

Diameter / Base Curve
Diameter Base Curve

Other Criteria
Wear Type FDA Group UV

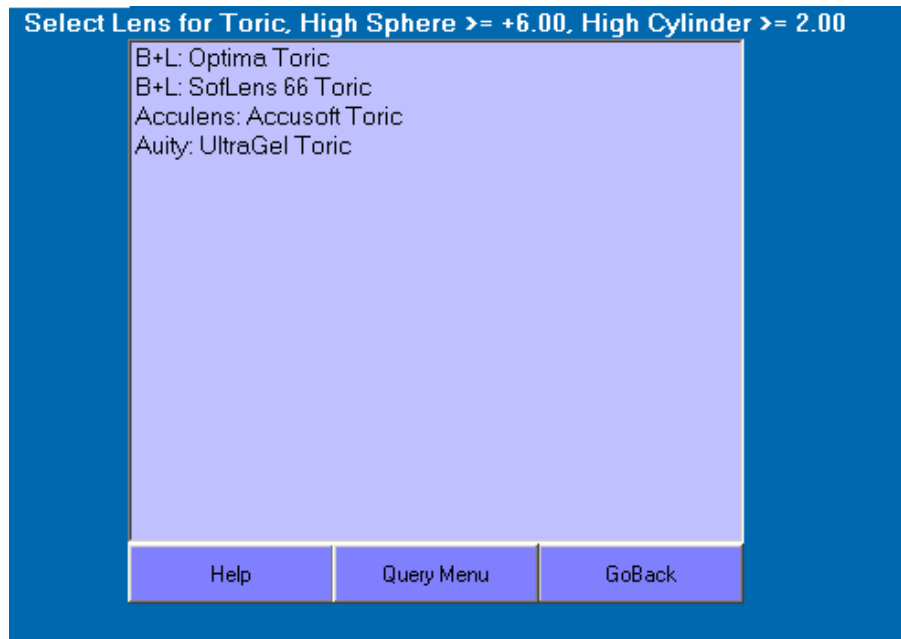
High Sphere / High Cylinder
High Plus High Minus High Cylinder

Rx
Enter Toric Rx: x Clear Rx

Help Search ALL Search Favorites Main Menu

Observe the Find Query displayed. Next click either the “Search ALL” or “Search Favorites” button.

The resulting new screen shows the lenses that match the Query.

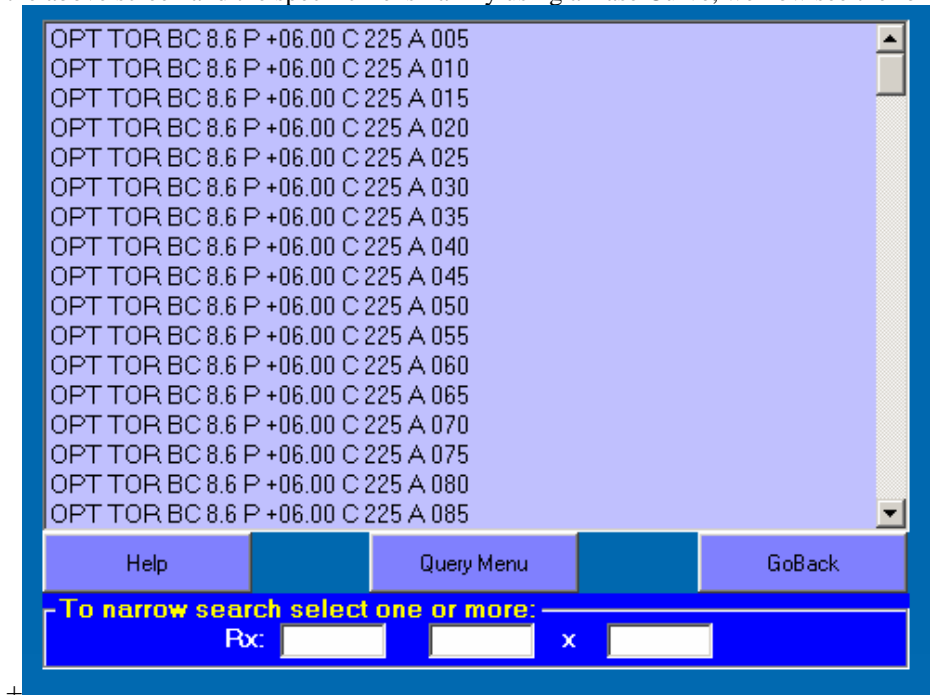


If you only want to know which lenses satisfy the Query criteria you can stop here. You can also select a lens and go through the process as described previously.

More about the Power Scale

Since we have a Toric lens we will now show the process of selecting a specific Rx lens using the convenient features of the Power Scale.

Selecting a lens from the above screen and the specific Lens Family using a Base Curve, we now see the following screen.



There are actually hundreds of lenses in this series even with the query filter for High Plus and High Cylinder. We will use the Power Scale to quickly find the required lens.

We will simply click in the Sphere box then do Cylinder and Axis to show you the features for each.

To narrow search select one or more: Rx: x

The Sphere Power Scale shows only the values available for the selected lens. Simply click the value.

Select Sphere for Contact Lens

Simply slide mouse over Power Scale and click at correct value.

- 4.50

Power Scale >

0	1	2	3	4	5	6	7	8	9											
.25	.50	.75	.25	.50	.75	.25	.50	.75	.25	.50	.75	.25	.50	.75	.25	.50	.75	.25	.50	.75

The Cylinder Power Scale shows available values right on the keys. Simply click the value.

Select Cylinder for Contact Lens

Simply slide mouse over Power Scale and click at correct value.

-2.75

-4.25	-3.75	-3.25	-2.75	-2.25	-1.75	-1.25	-.75
-------	-------	-------	-------	-------	-------	-------	------

The Axis Power Scale also shows available values right on the keys. Simply click the value.

Select Axis for Contact Lens

Simply slide mouse over Power Scale and click at correct value.

105

Power Scale >

005	010	015	020	025	030	035	040	045	050	055	060	065	070	075	080	085	090	095
100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180		

Depending on the lens you select the above screens will have different values. This reflects the available characteristics for the lens.

Key Point: Note in each of the screens only the actual values for Sphere, Cylinder and Axis are shown with **Contacts Resource**®. No more guessing about what is available. This cannot be done with a contact lens magazine!

Entering an Rx from the Query Screen

Another method for searching for a lens is to enter the Rx. To “open” the Rx you need to first select a Lens Type. By Selecting the lens type the appropriate Rx format is displayed:

When a Spherical Lens is selected the Rx frame is:

When a Bifocal or MultiFocal Lens is selected the Rx frame is:

When a Toric Lens is selected the Rx frame is:

Auto Format of Rx values. You need not format the values. Contacts Resource© will do the formatting. This is another example of EyeCOR being faster and easier to use. For example:

Enter	Resulting Sphere	Enter	Resulting Cylinder	Enter	Resulting Axis
2	+2.00	1	1.00	5	005
3.5	+3.50	1.5	1.50	10	010
-1	-1.00	2	2.00		

To enter the Rx click the Sphere value. Type the desired number “2” then **Tab** to the Cylinder value. Enter “1.5” and **Tab** to the Axis value. You can also skip a value and it will result in a “wildcard.” For example, since Toric lenses vary in Axis, some 1, 5, 10, 15, 30 and 90 degree steps, you can use a wildcard for axis so you do not miss a lens that does not exactly match. You can have a maximum of one Wildcard in an Rx. The wildcard is shown as an *. When you tab past the last entry in the Rx, you will be at the “**Search All**” button. To save time simply hit **Enter**, since you are the keyboard, you do not have to click with mouse.

Key Point: This applies to wherever you type something. Enter will be the same as clicking Search ALL. This avoids having to swap between keyboard and mouse.

Regardless of the search method used, the result is all the information for the selected lens.

Contacts Resource

by Nteon

Manufacturer: [Go to Bausch Lomb Web site](#)

Lens:

Selected Lens	Sph.	Cyl.	Axis	Add	BC	Dia	Color	UPC
<input type="text" value="Optima Toric"/>	+2.00	0.75	005		8.3	14.0		785809317534
Lens Type			Center Thickness			Optic Zone		
Toric			0.010 to 0.028			8.0		
Material			Disinfection					
hefilcon B, 45% group 1			Heat Chemical, Peroxide					

This is a valid lens.

Key Point: From start to finish building the query, searching the database, selecting the lens and selecting the Sphere, Cylinder and Axis, the entire process took 12 seconds. Furthermore this cannot be done using a magazine.

Look at all the information on this screen:

- | | |
|--|------------------|
| Manufacturer | Lens Type |
| Lens Name | Center Thickness |
| Sphere, Cylinder, Axis | Optic Zone |
| Base Curve | Material |
| Diameter | Disinfection |
| UPC code for ordering or inventory control | |

There is also a link to the Manufacturer's web site. One click and you are at their site.

If you do not have the lens in stock you can click "Add to List" and it will add the lens to an order list.

As in the previous example, you have the lens for one eye. In the majority of cases the only change for the other eye would be a different power same lens. Instead of going though the same process again, click "Select another Rx for same lens." It will bring you back one screen. Make the single selection of a different Sphere, Cylinder and / or Axis and you are back at this screen with the new lens. The first lens took only 12 seconds the second lens took even less.

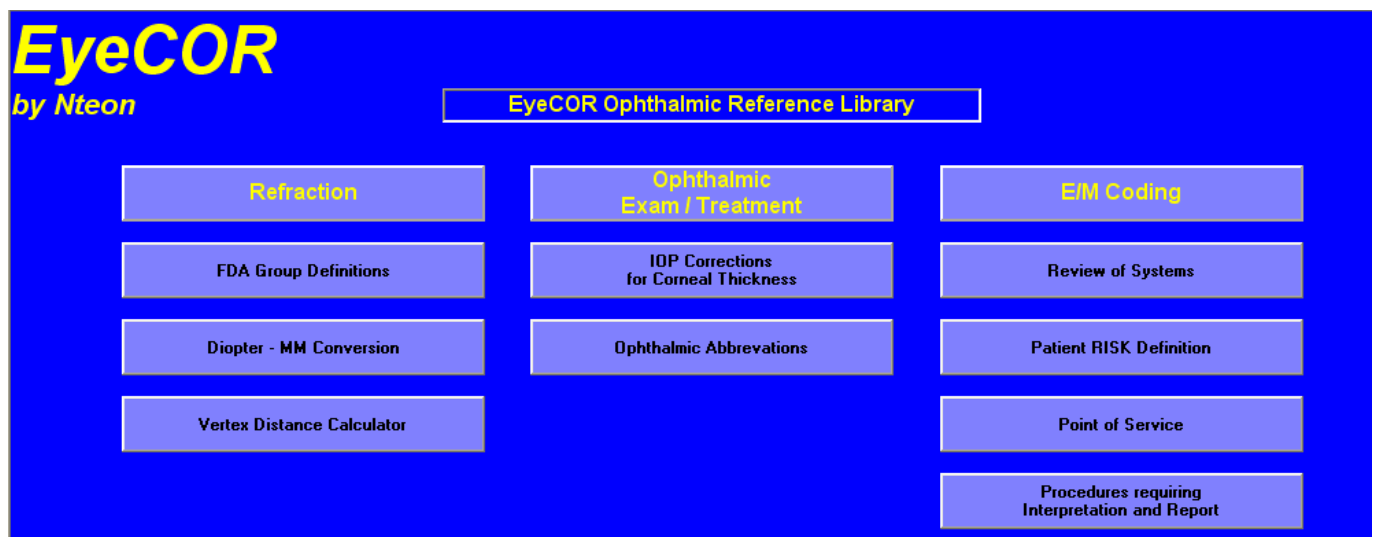
Ophthalmic Reference

The Ophthalmic Reference has several references available. At this time they are broken down into three categories. These cover the areas of:

1. E/M Coding
2. Exam and Treatment
3. Refraction

The Coding related deal with Patient Risk and Review of Systems. These are current definitions again from CMS. We felt it important to include these here since many practices are unsure about these topics. Review of Systems has had some changes in consolidation of systems. This reflects the latest version. Patient Risk is critical since it alone determine the coding level for the 992xx E/M codes.

The Menu screen for the Ophthalmic Reference is:



Simply click the desired item.

Important Note: As further evidence that we want to hear from you. The Ophthalmic Reference is a prime example of how we implement user requests. Except for Review of Systems and Patient Risk (which we knew are required for coding) all other items were requested by our users!

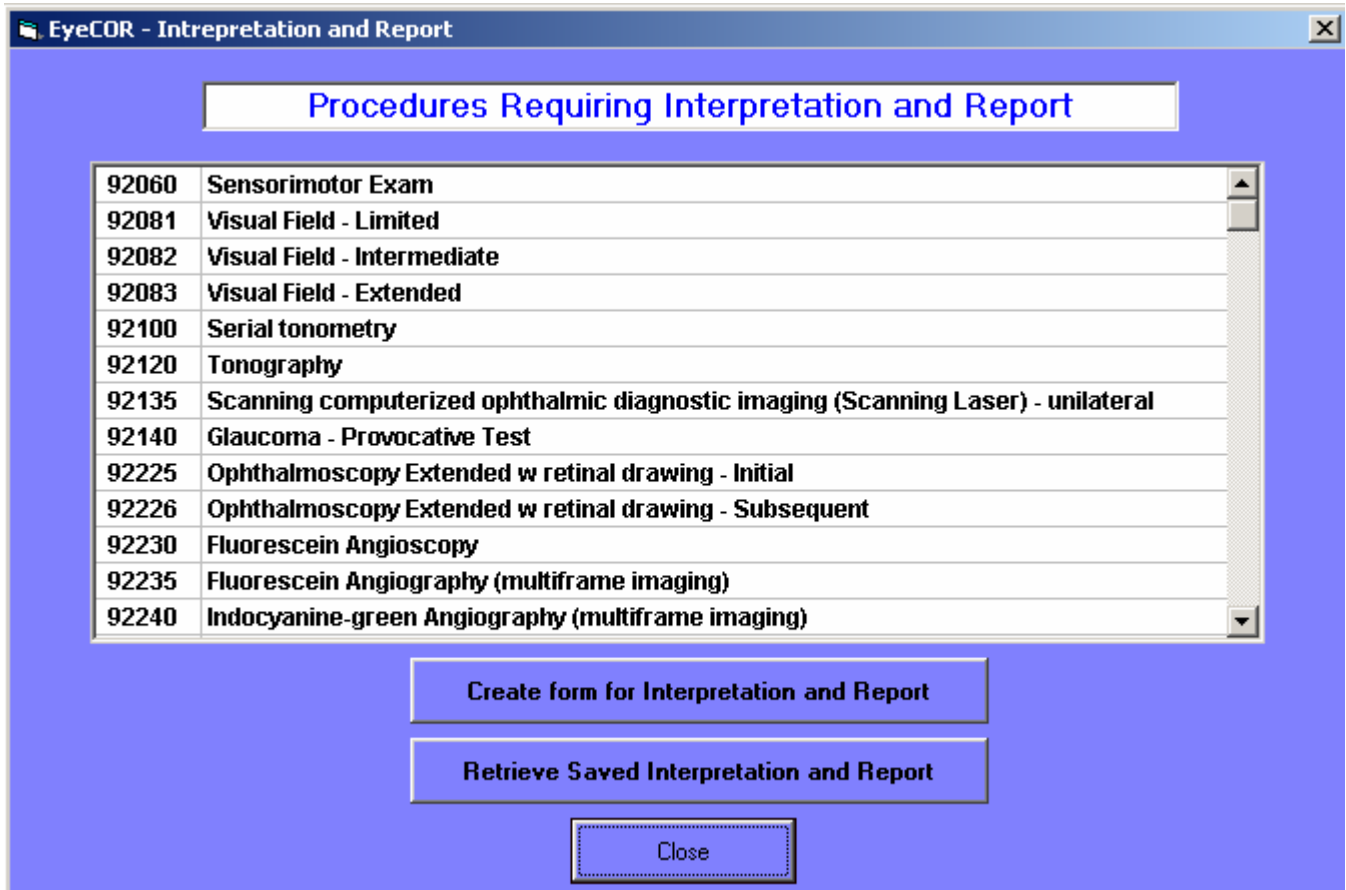
The current selection of resources in the Ophthalmic Reference include:

Refraction / Dispensing	Exam	Coding
FDA Group Definitions for Contact Lenses Diopter to mm Conversion Vertex Distance Calculator	IOP Corrections for Corneal Thickness Ophthalmic Abbreviations	CMS Review of Systems CMS Patient Risk Definition Point of Service Procedures Requiring Interpretation and Report (Includes Interpretation and Report Form)

Remember if you have any suggestions how we can expand this or any aspect of EyeCOR, please contact us.

Procedures Requiring Interpretation and Report

With the display for the Procedure, EyeCOR identifies if the Procedure Requires Interpretation and Report. This section carries that information further. The first screen displays all Ophthalmic Procedures that require Interpretation and Report.



Simply scroll down to see all the procedures.

You also have two options for Forms for Interpretation and Report.

One is to Create a new Interpretation and Report form. The other is to Retrieve a previously Saved form.

Creating a New Interpretation and Report Form

Click the button **Create form for Interpretation and Report** and you will be presented with a blank form to fill out.

EyeCOR will walk you through the form.

EyeCOR - Interpretation and Report

Patient Name: Exam Date:

First: Select Procedure - Then press Tab key to enter Patient Name

**Interpretation and Report
For**

Select Procedure

Clinical Findings

Comparative Data / Change in Condition

Clinical Management

Click to Enter/Update Doctor

This box tells you which step to do and what to do next.

Begin by selecting the Procedure. Simply click on the beside Select Procedure. Then scroll down to select the desired procedure. Once a procedure is selected, then press the **Tab** key and enter the patient Last Name.

Tab again and enter the patient First Name.

Tab again and enter the Clinical Findings.

Tab again and enter the Comparative Data or Change in Condition.

Tab again and enter the Clinical Management.

At each step the red Next Step information box will tell you what to do.

When finished you can either Print, Print then Save or Save the report.

Saving a New Interpretation and Report Form

When you save a new report you will be presented with the following screen:

Save Interpretation and Report

Select Existing Patient name from list below - or - Select Save as New Patient

Patient Last Name	First Name	DOB	Phone
Jones	Brian	02/15/1934	(280) 555-0220
Jones	Frank	04/15/1997	(508) 778-1234
Jones	Frank	01/01/1978	(508) 778-1234
Jones	Mary	06/30/1944	(617) 234-9887
Jones	Rodger	12/30/1956	(508) 555-1212

This is the list of existing patients whose last name matches the current patient.
If the name is in the list just click on the name

Click this button if the current patient is not in the list of existing patients.

Save JONES, SUSAN as a New Patient

Click this **ONLY** if patient is **NOT** in List above!

Quit

Even though there are many names in the database only those matching last name of the patient are displayed.

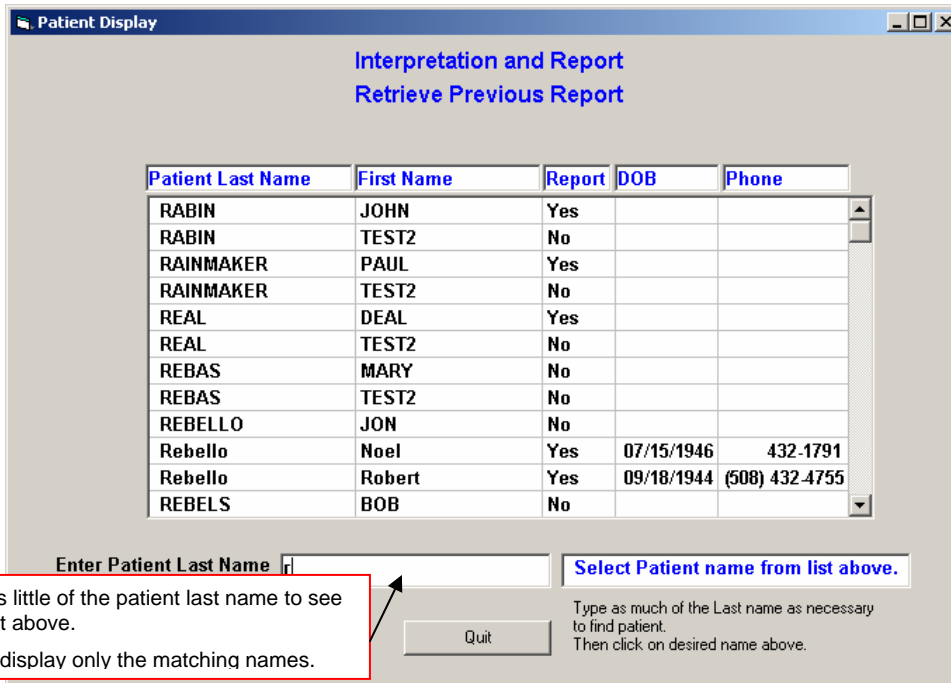
If the patient's name is displayed in the list of existing patients simply click that proper name. This report will be stored along with any other previously stored reports.

If the patient's name is not displayed in the list of existing patients then click on the red button that will save the name as a new patient.

Retrieving a Previous Interpretation and Report Form

Click the button **Retrieve Saved Interpretation and Report** and you can retrieve a previously saved report.

When you select this option the following screen is displayed:

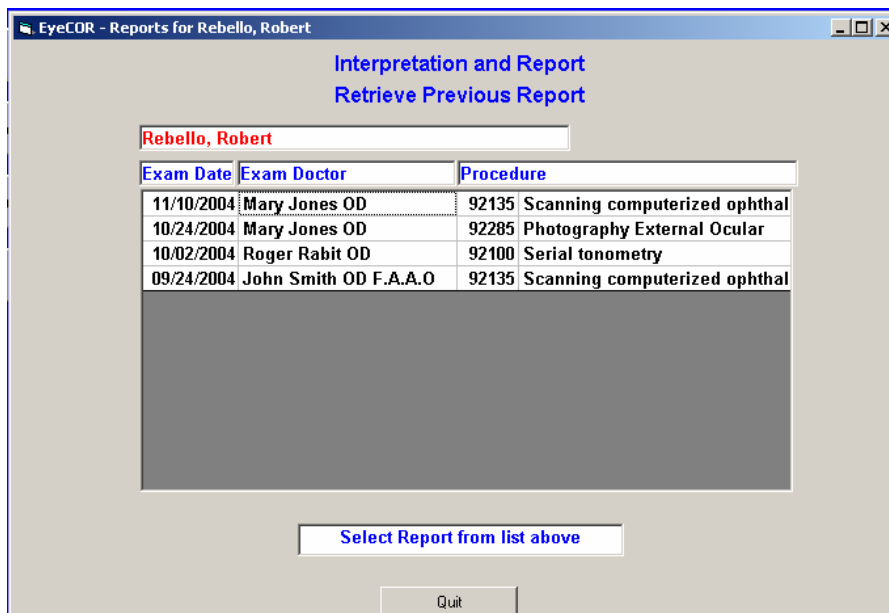


When the screen displays the list of current patients in the EyeCOR Patient Database is displayed in alphabetical order.

By typing part of all of the last name the list automatically displays only those patients matching what you have entered. Once you see the name simply click on the name in the list.

Notice that the list shows when the patient actually has a Report.

When you click on a name the follow screen displays those reports for that patient. Notice they are in reverse chronological order, so the most current is displayed first.



Click on the desired report and the report will be displayed:

EyeCOR - Interpretation and Report

Patient Name: **Jones** **Frank** Exam Date: **11/10/2004**

Interpretation and Report

92135 Scanning computerized ophthalmic diagnostic imaging (Scanning Laser) - unilateral

Clinical Findings
Patient has multiple defects of the macula.

Comparative Data / Change in Condition
Patient is stable form last exam no further deterioration

Clinical Management
Continue with meds and diet

Examining Doctor: **Mary Jones OD**

Print Close

Note: To protect you and your practice legally you cannot modify a previous Interpretation and Report form. You can only review on the screen or print a previous Interpretation and Report form.

If you need to modify a previous Interpretation and Report form you should create a new one as an addendum to the previous.

Defining EyeCOR as a Networked Version

EyeCOR has always had the capability of running standalone or networked. What this means is the following:

- **Standalone** – In this case each workstation is totally independent. All programs and databases for EyeCOR are on that computer.
- **Networked** - In this case each workstation is dependent on the server.. All programs and databases for EyeCOR are on and run from the server.

The difference has nothing to do with the fact that your systems are running on an existing network. You can still run standalone systems on a network.

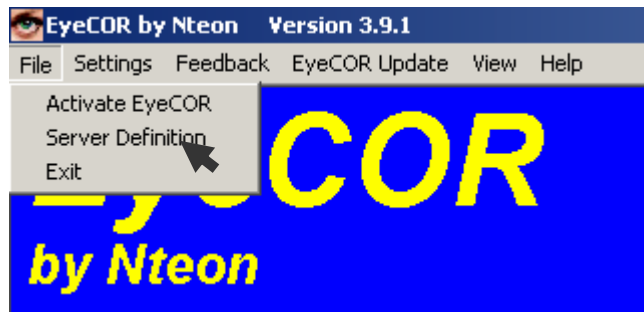
Note even if you setup EyeCOR as a networked version, you still must install EyeCOR at each workstation. This is a Windows requirement!

There are several advantages to defining EyeCOR as a network:

- Once the Server version of EyeCOR is upgraded, all workstations are running the latest version. You do not have to upgrade each workstation.
- To use EyeCOR's Patient Database for Saving Interpretation and Report forms you must use EyeCOR as a network. Otherwise any reports saved on one workstation will not be available at the other workstations within your office.

To define EyeCOR as a network follow this procedure at all workstations. Do not do this at the server.

In EyeCOR Click **File** then **Server Definition** as shown below:



This will bring up the following screen.

EyeCOR Server Path Change Routine

Drives found:

Drive	Type
C:	Hard Drive
F: \\MyServer\C	Network Drive

Click on drive above to Select Network Server

Current Path: C:\Nteon\Contacts-resource\

New Path:

What if I do not see the Server Drive.

Click OK to Continue or Select a different Drive

All Drives for this system.

OK Cancel

Note: Your screen will have different drives. There may be more drives listed.

What you are looking for is the "mapped" server drive shown as a Network Drive.

If you do not see a Server Drive in the list, it means one of two things:

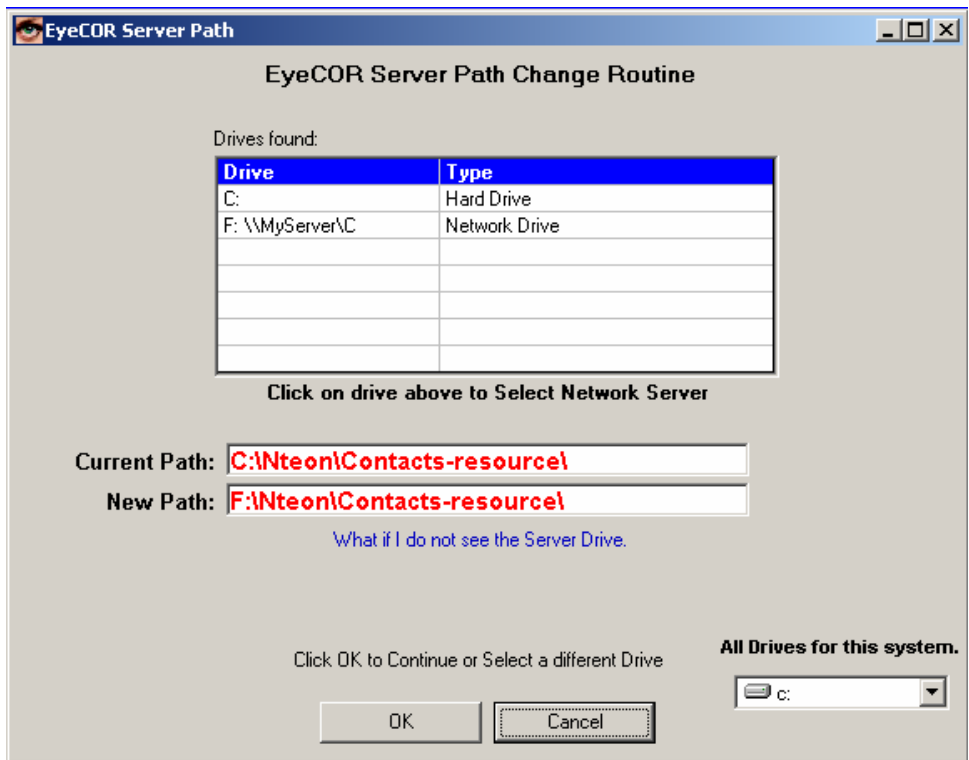
- Either EyeCOR has not been installed on your server yet. If this is the case **Cancel** this screen. Install EyeCOR on the Server then repeat this process.
- Your Server Drive has not been mapped to this workstation. If this is the case **Cancel** this screen. The person responsible for your network, must map the server to the workstations.

If the server has one of its Folders mapped for another system, this is for that application and does not provide EyeCOR with the correct mapping.

The root of the server's drive containing EyeCOR's **Nteon** folder must be mapped. Do not map the folder! This is critical! If the **Nteon** folder is mapped directly, the workstation will not work! You must map the drive.

When the mapping is properly completed, repeat this process.

If you see the Server Drive then click it in the list. The screen will change showing the New path:



Finally, Click **OK**.

Again repeat this process for each of the workstations on your network where you will run EyeCOR.

Mapping the Server Drive

If you want to map the server drive yourself it is fairly easy.

While this description details each step fully, the actual process takes less than a minute.

Repeat this process at each workstation only where the server is not already mapped. This process is performed at the workstations not the server. Do not perform this if your server is already mapped!

Run Windows Explorer (not Internet Explorer).

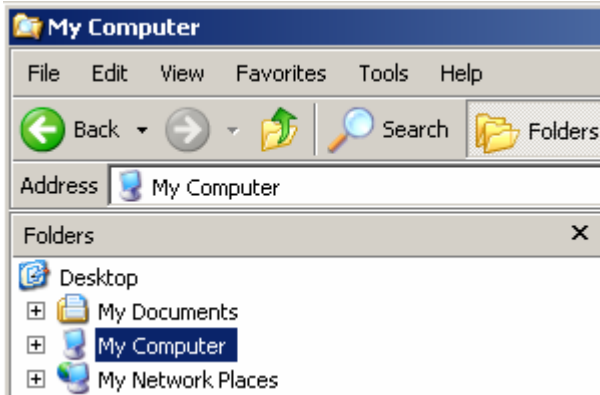
For:


Windows XP Click **Start** then **My Programs** then click **Accessories** and finally **Windows Explorer**.

Windows 2000 and Me Click **Start** then **Programs** then click **Accessories** and finally **Windows Explorer**.

Windows 98 and 95 Click **Start** then **Programs** then click **Windows Explorer**.

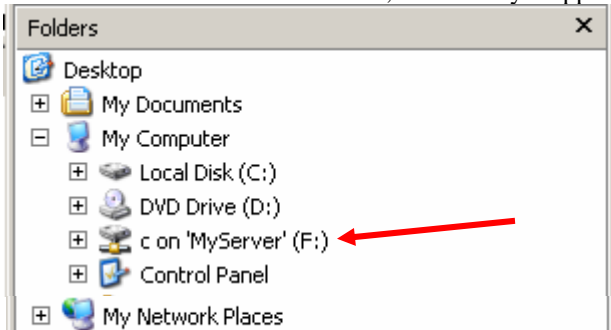
The left side of the screen will look similar to this:



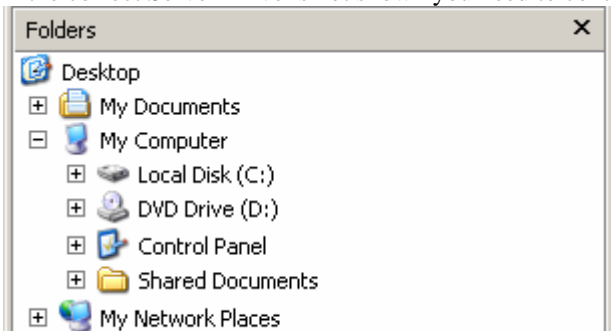
The  indicates there are drives and folders to be displayed in that category.

First verify that the Server drive is not already defined. To accomplish this click the  for **My Computer**.

If the correct Server Drive is shown, it is already mapped. **Stop! You do not want to go any further.**




If the correct Server Drive is not shown you need to continue to map the server drive.

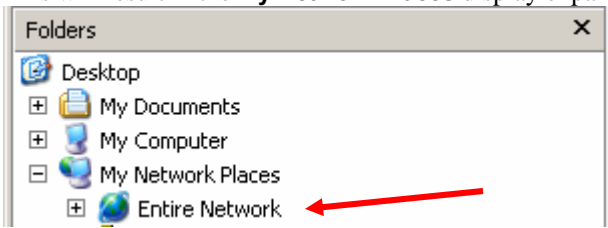



You will need to Map the drive if the server is not shown at all or if a server drive is shown but is not the drive required for EyeCOR's \Nteon folder.

The next step is to find the server in **My Network Places**.

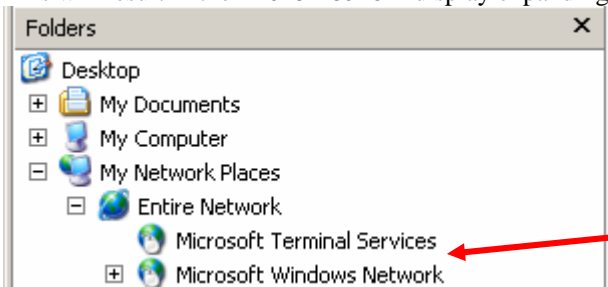
To find the server click the  for **My Network Places**.


This will result in the **My Network Places** display expanding to show **Entire Network**



Next click the  for **Entire Network**.

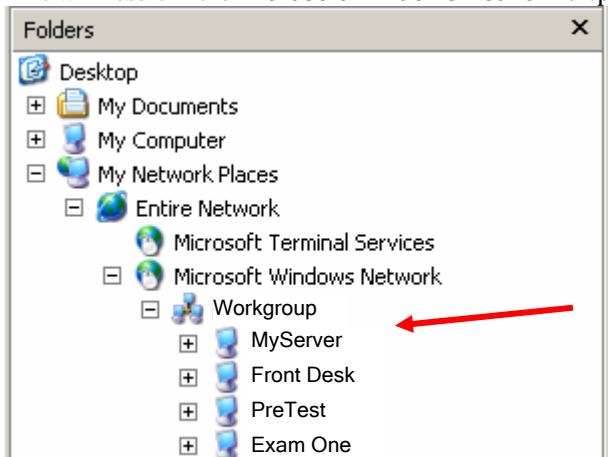
This will result in the **Entire Network** display expanding to show available Network Protocols.




Note: **For some versions of Windows this step is not shown.** When you click the  for **Entire Network** it immediately shows the systems in the network (the next screen).

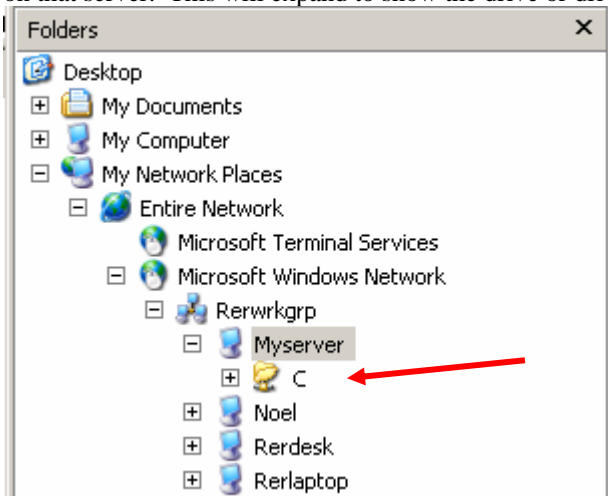
Now click the  for **Microsoft Windows Network**.

This will result in the **Microsoft Windows Network** display expanding to show all Network drives.

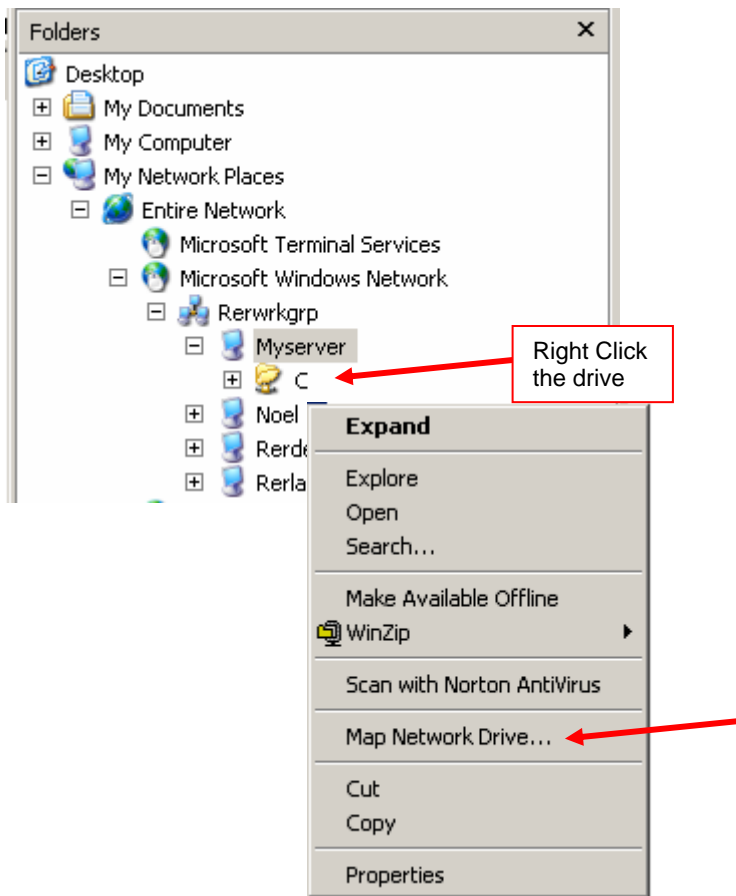


Remember these are examples only. Your displays will have different names.

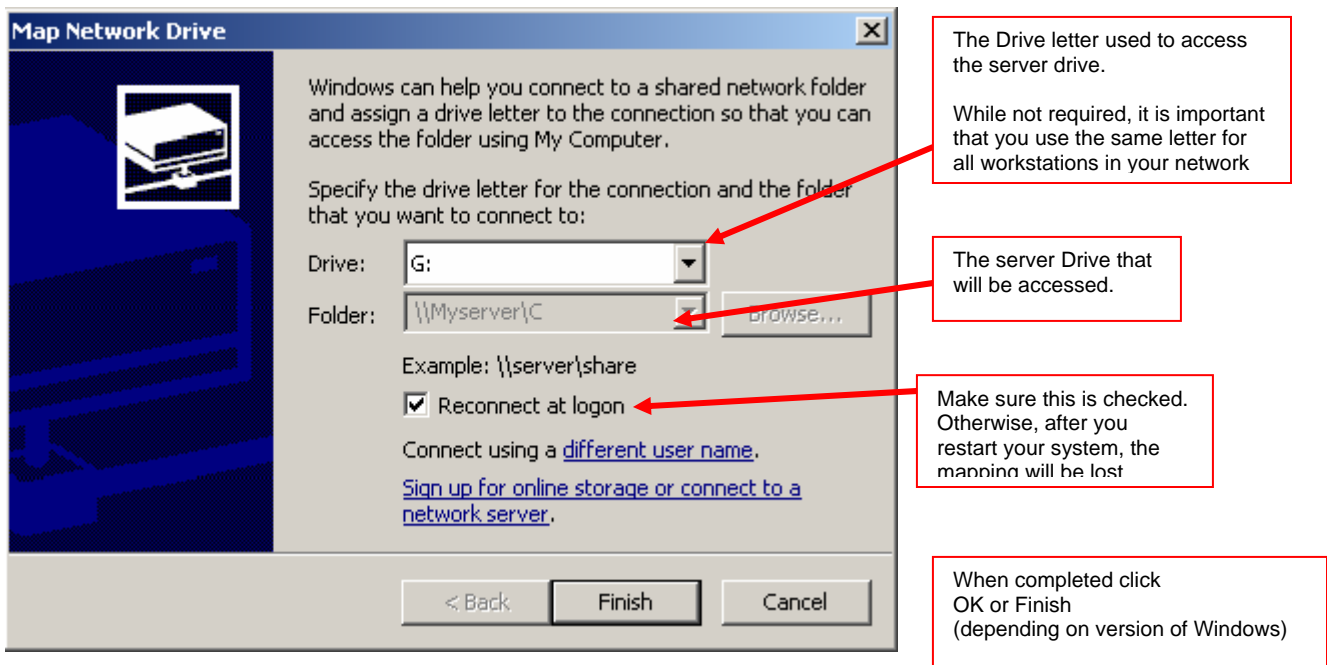
Next select the server containing EyeCOR's \Nteon Folder. Click on the server name or the  which will show the disk drives on that server. This will expand to show the drive or drives on the server.



Next Right Click the drive. This will display a popup window. The Select (Left click) **Map Network Drive**.



This is the final step. Also the appearance of the actual window will vary depending on the version of Windows you have. However, there are three main components that you need to be aware of.



Now your server drive is mapped.

User Feedback

At Nteon we are serious about user feedback!

If there is:

- Something you like or something you do not like
- Something you feel should be added to EyeCOR®
- Any new feature or enhancements to Code Finder.
- Any new feature or enhancements to Contacts Resource©
- Any Diagnosis or Procedure that you feel is missing.
- Additional tools to be included in the Ophthalmic Reference.
- Further discussions in documentation.
- Even some new tool or feature that will improve the way you practice
- Any comment

Let us know.

We realize that you the users can tell us how to make EyeCOR® more beneficial to you and other EyeCare professionals. Unlike other software providers, we encourage you to contact us.

Feel free to:

Call Toll Free: (888)-866-5367

Email: info@nteon.com

Or if you are on beautiful Cape Cod call to schedule a visit!